

# SMOKE SIGNALS

*For Radio Amateurs • By Radio Amateurs*

Published Monthly Since 1969 • Our 27th Year

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## League petitions FCC to change new RF safety rules

The ARRL has petitioned the FCC to reconsider and reverse portions of the Commission's August 1, 1996, Report and Order that imposed RF-emission safety standards on Amateur Radio, including a 50-W threshold to trigger an RF-safety evaluation. In setting the 50-W threshold, the ARRL said, the FCC failed to consider the effect of antenna height, antenna gain, emission mode, duty cycle or operating frequency. The League asked the FCC either to scale the evaluation threshold by frequency to match the maximum permissible exposure (MPE) limits -- directly corresponding to the way the regulations scale the exposure levels with frequency -- or to set the evaluation threshold for all HF operation at 150 W at a distance of 10 meters from all parts of the antenna.

At or below that power level and at that distance from the radiator, "you'd be well on the side of safe, even at 100% duty cycle, with any antenna likely to be encountered on HF," said ARRL Laboratory Supervisor Ed Hare, KA1CV, our HQ staff liaison to the ARRL RF Safety Committee. "Some VHF/UHF and microwave station configurations could result in an RF exposure exceeding the requirements of the regulations, so the 50-W limit to trigger an evaluation is more appropriate above 30 MHz," said Hare. The ARRL Laboratory staff is working on a QST article that explains the new RF-safety regulations. "The article will tell hams how to evaluate their stations to be in compliance with the new rules," Hare explained.

Hare also emphasized that all stations, regardless of output power or frequency, still must abide by the specified MPE limits for RF. "Even my 10-mW HF station has to be in compliance with the MPE limits. At that power level, even under the existing rules, I don't have to evaluate whether it is compliance, however; it is presumed that stations running less than 50 W PEP are in compliance."

The new rules, effective January 1, 1997, require licensees of amateur stations running 50 W output or more on any band to conduct a routine RF-safety evaluation to determine if the station could expose people to RF levels that exceed the MPE limits specified in the new rules. (Mobile installations using push-to-talk, regardless of power, are exempt from the environmental evaluation requirement.) In its reconsideration filing, the League called the 50-W threshold "regulatory overkill" and "without scientific basis." Among other things, the League said the means to conduct RF radiation evaluations are not yet available, and the ability to reconfigure a station that might exceed the new limits "is highly problematic." Coupled with any state and local land-use and RF-exposure regulations that might exist, application of the new rules "may constitute a de facto revocation or modification of the station license," the League said.

"If amateurs cannot operate using outdoor antennas due to deed restrictions, and they cannot use indoor antennas due to concern about exceeding the MPE levels, all amateur communications are precluded."

In addition, the ARRL contends that rules imposed in the Commission's Report and Order "were adopted through flawed procedures." The League said the FCC adopted the rules without advance notice and opportunity for prior comment by those who would be most affected. "Neither the League, nor radio amateurs generally, had any opportunity to comment on, or suggest alternatives to, the rules adopted by the Commission," the ARRL petition said. "The Commission cannot impose substantive rule changes without adequate notice."

The ARRL said that the new rules differentiate between ham stations and other Commission licensees, "which are treated far less restrictively." While the FCC preempted state and local government regulation of personal wireless service facilities based on environmental effects of RF emissions, it refused to do the same for ham radio "without any basis for the distinction."

The League's petition also said the rules in the Report and Order "contain substantive obligations" that affect both individual hams and the preparation of ham radio examinations. The ARRL already has asked the FCC to extend the deadline to change amateur examinations and modify question pools, but the Commission has yet to act on the request. "The Commission failed to address the impact on radio amateurs, amateur groups, or publishers of Amateur Radio examination preparation materials" the League said. Noting that the FCC has not yet issued revised documents to assist Amateur Radio licensees in determining MPE compliance, the League said that, as it now stands, hams have no way to determine the scope of their obligations under the new rules.

The League suggested the FCC vacate its new RF safety rules governing amateur stations and issue a further notice to permit comment on the proposed rules, and, in particular, the 50-W threshold. Hare said the League's proposed HF threshold of 150-W at 10 meters distance from the antenna "encompasses a much greater range of typical Amateur Radio operation without compromising safety."

According to the September 9, 1996, issue of *Radio Communications Report*, the ARRL was not the only one to challenge the RF exposure guidelines. Others filing petitions for reconsideration or clarification are the Personal Communications Industry Association, the Electromagnetic Energy Association, Hammett & Edison Inc (a consulting firm) and the US Department of Defense.

*The ARRL Letter*, 9/13/96

## MARA repeaters keep W9HSY's call alive

By Paul Goemans, WA9PWP  
1508 Sundt Lane, Stoughton, WI 53589



The late Clyde "Coffee" Downing, W9HSY, who helped organize the Madison Area Repeater Association and served as MARA President for 17 years, is still alive in the memories of thousands of people, and lives now as the new call sign of MARA's 147.15 and 146.76 MHz repeaters. He is shown at center in the above photo, taken in 1988 at Noah's Ark Waterpark in Wisconsin Dells with the veteran rock 'n' roll signing duo Jan (left) and Dean.

K9ZZ photo

When Clyde "Coffee" Downing, W9HSY, died in February 1989, a bit of the Madison Area Repeater Association (MARA) went with him. He had been president of from the time of its formation in 1971 until his death. The idea of having W9HSY reassigned to the club that he had put so much of his time and energy into was in the minds of many South Central Wisconsin repeater users, but nothing in FCC rules allowed it.

In January 1995 the FCC announced its intention to implement a vanity callsign program. This appeared to be our opportunity. I talked to president Jim Waldorf KB9AQQ, and volunteered to follow-up on this, as a final tribute to my longtime friend W9HSY and a favor to MARA.

The first obstacle to overcome was that the FCC had never been notified that Clyde had passed away! By mid-February 1995, with the help of Joe Androfski, K9OMF, Clyde's cousin Kathy Eder, and my own records, I had assembled documents verifying Clyde's death. But should I send them to the FCC right away? What if some other ham wanted Clyde's callsign? After several delays it appeared that the FCC would be ready

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EDITED BY KENNETH A. EBNETER, K9EN, 822 WAUONA TRAIL, PORTAGE, WI 53901

## Swapfests and Other Social Events

**SATURDAY, AUGUST 31, 1996.** Hayward Hamfest, Hayward National Guard Armory, 721 North Iowa (Main) St., Hayward, WI. Contact: Namekagon Valley Wireless Association, PO Box 13010, Hayward, WI 54843. Wally Kruk, N9NAO, @ (715) 643-4940, Mary, KB9LFF or John, N9QWH @ (715) 378-2368, or Ed, KB9JPR or Jill, KB9KPL @ (715) 634-8921.

**SUNDAY SEPTEMBER 8, 1996.** Hamfest Radiofest Computer Expo, Dubuque County Fairgrounds, Dubuque, IA. Amateur Exams. Contact: GRARC, PO Box 546, Dubuque, IA 52004, or Loren Heber, (319) 556-5755, Jerry Lange, (319) 556-3050 or Jerry Ehlers, 583-1016. e-mail sheber@mwci.net.

**SUNDAY, SEPTEMBER 8, 1996.** Bolingbrook ARS Hamfest 96, Inwood Recreation Center, 3000 W. Jefferson ST. (Rt. 52), Joliet, IL. Contact: BARS Hotline at (708) 759-7005 between 6:00 a.m. and 9:00 p.m.

**SEPTEMBER 13, 14, 15, 1996.** ARRL National Convention at Superfest 96, Peoria Civic Center, Peoria IL. For exhibition information contact: R & B Productions, 7150 University ST., Peoria, IL 61614 (309) 693-9667. Fax: (309) 693-3465. For general information contact: Peoria Area ARC, PO Box 3508, Peoria, IL 61612-3508. Ron Morgan, KB9NW, General Chairman, (309) 692-FEST. E-Mail: Superfest@AOL.com.

**SEPTEMBER 21 & 22, 1996.** Radio Expo 96, sponsored by the Chicago FM Club, at the Lake County Fairgrounds, Rts. 120 and 45 in Grays Lake, IL. Grounds open 6:00 a.m. to 6:00 p.m. Buildings open 8:00 a.m. to 4:00 p.m. (3:00 p.m. Sun.). Amateur Exams both days. Limited indoor flea market tables available. No table reservations accepted after Sept. 7, 1996. Advance tickets \$5.00, Advance Tables \$20.00. Contact Chicago FM Club, P.O. Box 56724, Harwood Heights, IL 60656-0724. (708) 457-0966.

**SUNDAY, SEPTEMBER 22, 1996.** Dane County ARES Early Autumn Swapfest, Madison, WI. At Fast Forward

Roller Skating and Skate Shop, 4649 Verona Road, (Hwy 151/18). Contact Dane County ARES, Inc., 810 Vernon Ave., Apt 4, Madison, WI 53714. (608) 222-3444.

**SUNDAY, OCTOBER 13, 1996.** Kettle Moraine Radio Amateurs 1966 Computer Fair and Hamfest. Waukesha County Exposition Center in the Forum Building, Highways J and FT in Waukesha, WI. Contact KMRA Swapfest, PO Box 411, Waukesha, WI 53187-0411. Or call Ron at (414) 547-2219 or Andy at 549-0393.

**SATURDAY, OCTOBER 26, 1996.** Twelfth Hamfest Minnesota & Computer Expo., University of MN Field House, 1800 University Ave. S.E. Minneapolis, MN. Talk in on 147.16/76. Contact: HAMFEST MINNESOTA, PO Box 5598, Hopkins, MN 55343. (612) 535-0637.

**SATURDAY, NOVEMBER 2, 1996.** The Milwaukee Repeater Club is proud to sponsor the 12th annual "6.91" Friendly Fest", from 8:00 a.m. to 1:00 p.m. (sellers admitted at 6:30 a.m.) Place: Waukesha County Expo Center Forum, I-94 to County J, South to FT, West to Expo. Tickets are just \$4.00. Four-foot tables, \$5.00. Call Burt, N9VBI, (414) 328-0535 or send with SASE and payment to The Milwaukee Repeater Club, P.O. Box 2123, Milwaukee, WI 53201, Before October 15, 1996. Talk in on 146.91 - (The Friendly Repeater) and on 146.52. On-site Amateur Exams.

**SUNDAY, NOVEMBER 3, 1996.** Fox Cities Hamfest, Starlite Club, Hwy 55, North of Kaukana, WI. Amateur Exams. Advance Registration \$4.00, 8 foot long tables \$8.00. Contact: Chad Pennings, N9PRC, 318 E. Brewster ST., Appleton, WI 54911. (414) 954-1229.

**SUNDAY, JANUARY 12, 1997.** West Allis ARC, 25th Annual Midwinter Swapfest. Waukesha County Expo Center Forum, Waukesha, WI. Contact: WARAC Swapfest, PO Box 1072, Milwaukee, WI 53201.

**SUNDAY, FEBRUARY 25, 1997.** Red Cedar Repeater Association, Inc. Auction at the American Legion Post #53, 634 Water St., Eau Claire, WI. Contact: Steve Hart, KA9OMC, E616 810 Ave., Knapp, WI 54749. (715) 665-2374.

**SUNDAY, MARCH 9, 1997.** SEWFARS SWAPFEST, Waukesha County Expo Center, Waukesha, WI. Contact: SEWFARS, P.O. Box 102, Delafield, WI 53018. (414) 650-0724.

**SUNDAY, MARCH 16, 1997.** Tri-County ARC Hamfest at the Jefferson County Fairgrounds, Activity Center, Hwy. 16 West, Jefferson, WI. Contact: TCARC,

W9MQB, 711 East St., Fort Atkinson, WI 53538. (414) 563-6502 evenings.

**SATURDAY, JULY 12, 1997.** South Milwaukee ARC Swapfest. American Legion Post 434, Oak Creek, WI. Contact (414) 762-3235.

See also the back page and flyer ads for additional information on many of these events.

Let us know of your dates as soon as you know them. We will list them and perhaps help avoid conflicts with other events.

As a service to our readers, this section of Badger State Smoke Signals is available without charge to list your upcoming Swapfest, Hamfest, dinner, picnic, party or other event of interest to Radio Amateurs in Wisconsin and nearby areas. Send information on your event to Kenneth A. Ebner, K9EN, 822 Wauona Trail, Portage, WI 53901. In addition, space is available at attractive rates on our advertising pages. For information on rates and requirements for our advertising pages, please contact K9ZZ or K9EN.

## Club Meetings



Due to space limitations we cannot always carry the full listing of Wisconsin and area club meetings. Please save the following listings for your future reference. We hope to have the full listing at least three times a year, and will carry any changes or additions between full listings.

**ARROWHEAD RADIO AMATEUR CLUB, INC.**  
(Superior, WI)

The monthly meeting of the ARAC is held on the second Tuesday of the month at the WITC Conference Center, 600 N. 21st Street, Superior, Wisconsin, at 7:30 p.m. Board meetings are held prior to the regular meeting.

**BADGER AMATEUR RADIO SOCIETY**  
(W9YT - U. W. - MADISON)

Monthly while school in session - 2nd Tue. - 5:30 p.m. - B-265G, Electrical Engineering Bldg. For more information call (608) 262-1142.

**CENTRAL WISCONSIN RADIO AMATEURS, LTD.**  
(STEVENS POINT)

Second Wed.

**Eau Claire Amateur Radio Club**

2nd Tue. - 7:30 p.m. - Parks and Recreation Bldg., Oxford and 1st Streets, Eau Claire. Hams, guests welcome. Travelers welcome on wide area club repeater K9UXP, 146.31/91.

**FALLS AMATEUR RADIO CLUB, INC.**

The Falls Amateur Radio Club, Inc. meets the last Wednesday of the month at the Bank One building in Germantown, WI at Pilgrim and Mequon Roads. The doors open at 7:00 p.m. and the meeting will begin at 7:30 p.m. !!GUESTS ARE WELCOME!!

**FOUR LAKES AMATEUR RADIO CLUB (MADISON WI)**

First and third Tues - 7:30 p.m. - Red Cross Bldg., 4860 Sheboygan Ave., room "C" downstairs. It is the next building west of the Hill Farms State Office building. The meetings start promptly at 7:30 pm.

**FOX CITIES AMATEUR RADIO CLUB**

Third Mon. - 7:00 p.m. - Roosevelt Jr. High School, 318 E. Brewster St., Appleton. Info: (414) 766-3886.

**GREATER MILWAUKEE DX ASSOCIATION**

Fourth Mon. of the month at 7:30 p.m. Contact any GMDX member or Dan Reese, N9XX, (414) 529-9806 (before 9 p.m. please) for meeting location.

**GREEN BAY MIKE AND KEY CLUB**

Second Thur. 7:30 pm - Media Services area of the J. M. Science Building at St. Norbert College in DePere.

**GREEN FOX AMATEUR RADIO CLUB**

Third Mon. - 7:30 p.m. - Green Lake Town Hall,

## Badger State Smoke Signals

**Amateur Radio  
Education and Information**

**CHAIRMAN:** Kenneth A. Ebner, K9EN, 822 Wauona Trail, Portage, WI 53901. Telephone (608) 742-3560.

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**EDITORIAL BOARD:** Ken Ebner, K9EN; Dave Knaus, WA9POV; Don Evenson, K9JYX; Jim Romelfanger, K9ZZ.

### Subscriptions

1 year	(12 issues)	\$12.00
2 years	(24 issues - save \$2.00)	\$22.00
3 years	(36 issues - save \$4.00)	\$32.00

Special club package reduced rates are available. For information, contact Ken Ebner, K9EN.

### When to Send It

The closing date for each issue is the first of the month for the next month's issue. For example, the closing date for the June issue is May 1.

The only exception is for participating clubs. Participating clubs are requested to send their material no later than FIVE DAYS before the deadline.

example, if a club meets on the 4th of the month, the material should be sent no later than the 9th of that month. This material is to be sent to the Editor.

### Where to Send It

Address changes and corrections should be sent to Ken Ebner.

Editorial material, photographs, feature articles, display ads, and exchange papers should be sent to Jim Romelfanger.

Inquiries about advertising should be directed to Ken Ebner.

Club, swapfest, and Test Point information should be sent to Ken Ebner.

Swapfest ads should be sent to Jim Romelfanger.

Subscriptions should be sent, with check or money order, to Jim Decker.

### Conditions for Reprinting or BBS Posting Material from Badger State Smoke Signals

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### Editorial Disclaimer

The opinions expressed in editorials, guest editorials, columns, articles, and letters from readers are the opinions of the authors only, and do not, unless otherwise stated, express or imply endorsement by *Badger State Smoke Signals*, or by any other individual or organization.

int. of county hwy's. K and N.

#### KETTLE MORaine RADIO AMATEURS

Second Fri., 7:30 p.m. at the Waukesha County Technical College, Campus Science Building, Room 102. Talk-in on the N9KS 147.39 repeater.

#### LAKESHORE RPTR. ASSN.

Last Tue., Jan., Apr., Jul., & Oct., 7:30 p.m. Red Cross Bldg., 4521 Taylor Ave., Racine, WI.

#### M & M AMATEUR RADIO CLUB

General meeting held second Thursday each month at 7:00 p.m. at Menominee BANC 4th floor, Tenth Ave., Menominee, WI 49858.

#### MANITOWOC COUNTY RADIO AMATEURS

Directors Meeting: First Wed. Held at 6:30 p.m. in the basement, Manitowoc City Hall, 817 Franklin St., Manitowoc.

General meeting: Second Wed. Held at 7:30 p.m. at Associated Manitowoc Bank, corner of 10th and Franklin Streets.

#### MILWAUKEE RADIO AMATEURS CLUB

Last Thursday evening, Wauwatosa Savings and Loan (lower level) at 7500 W. State St. in Wauwatosa. Meetings begin at 7:30 p.m. 12 months of the year.

#### NORTHWOODS ARC (RHINELANDER WI)

Third Tue.. Doors open at 7:00 p.m. Meeting at 7:30 p.m. South Park School, Rhinelander, WI. Talk-in on 146.94/.34. All interested visitors to the Northwoods are welcomed.

#### OZAUKEE RADIO CLUB

Second Wed. - 7:30 p.m. - Grafton Multipurpose Senior Center.

#### QCWA - WISCONSIN CHAPTER #55

Contact Erwin Froelich, W9RZW, Treasurer, Rte 1 Box 177D, Pine River WI 54965. For information about meeting dates or joining QCWA Chapter #55. The Wisconsin Chapter holds Spring and Fall dinner meetings.

#### QCWA - SOUTHEAST WISCONSIN CHAPTER #162

Meets third Mon. monthly, 7:30 p.m., Around the Clock Restaurant, 3012 Rapids Drive, Racine.

#### RACINE MEGACYCLE CLUB

Second Mon., 7:30 p.m., Red Cross Bldg., 4521 Taylor Ave., Racine, WI

#### RED CEDAR REPEATER ASSOCIATION, INC.

Saturday coffee at Hardees in North Menomonee, corner of Highways 12 and 25 at 9:00 a.m. Social hour on 4th Tuesday at 7:30 p.m. at The Peppermill Too, 1414 9th Street in the L-Mart shopping center, for the months of January, March, April and September through November. Guests welcome.

#### RIVERLAND AMATEUR RADIO CLUB

First Tue. - 7:00 p.m. - Onalaska Community Center, Onalaska WI.

#### ROCK RIVER RADIO CLUB

Monthly - first Tue. - 7:00 p.m. at Dodge County Sheriff's Department, 141 N. Main, Juneau, WI.  
ARES Net: 146.04/146.64 Mondays at 7:30 p.m.  
Sat.s on 7277 KHz at 10:30 a.m.

#### SHEBOYGAN COUNTY AMATEUR RADIO CLUB

Second Tue. - 7:00 p.m. - Sheboygan Red Cross/Boy Scout Bldg., 2032 Erie Ave.

#### SOUTH MILWAUKEE AMATEUR RADIO CLUB

First Wed. - Legion Post 434, Shepard Ave., Oak Creek WI. Auctions in March and October.

#### TAYLOR COUNTY AREA AMATEUR RADIO CLUB (TCAARC) MEDFORD

Usually the 1st Thur. of the month at 7:00 PM sharp. Usual location: emergency government meeting room/Red Cross office, basement of Sheriff's Annex to Taylor County Courthouse, 2nd and Ogden Sts., Medford, WI. Talk-in on 147.15 (+600) repeater. Amateurs & guests are welcome. ARES Net, Wed. nights at 8:30 PM on 147.15 (+600) repeater. For info contact: Mike Schoenfuss, N9GHZ, P.O. Box 401, Abbotsford, WI 54405, phone (715) 223-3996.

#### TRI-COUNTY AMATEUR RADIO CLUB

Meetings held at members homes. Usually monthly on Sunday afternoon. Contact: Glenn Eisenbrandt, (414) 563-6502 or John Saterlee, (414) 563-6381.

#### WASHINGTON COUNTY AMATEUR RADIO CLUB

Second Thursday, 7:30 p.m., Washington County Court House. Net on Thursdays at 7:30 p.m. on 146.73.

#### WATERTOWN AMATEUR RADIO CLUB

First Thur. of the month at 7:00 p.m., The Watertown Public Library, 100 S. Water St., Watertown, WI.

#### WAUPACA AMATEUR RADIO CLUB

First Sat. in March, June, September and December, at 9:30 a.m. at the Waupaca Fire Station in downtown Waupaca.

"CQ First Tue." - A social gathering and dutch treat luncheon at the King's Table in King, WI, on Highway QQ just south of highways 10 and 54 on the west side of Waupaca.

#### WEST ALLIS RADIO AMATEUR CLUB

Second Tue. - 8:00 p.m. - St. Peters Episcopal Church, 7929 Lincoln Ave. Entrance is at rear of building on alley.

#### THE WINNEBAGO AMATEUR RADIO CLUB

(Formerly the Oshkosh Amateur Radio Club)

The Winnebago ARC welcomes all Amateurs and interested persons to join us at the Oshkosh Armory on Armory Place, Oshkosh, WI. Meetings are held the third Sunday each month at 1600 hrs. Talk in on 147.24 repeater.

For further information contact KB9IME, Dan Lenz, at (414) 233-7145.

#### WISCONSIN ASSOCIATION OF REPEATERS

Meetings are held Quarterly, with time and location to be announced. Repeater licensees, trustees, and sponsors are urged to attend W.A.R. meetings. All interested parties are welcome, as well.

#### WISCONSIN RAPIDS AMATEUR RADIO CLUB

Third Wednesday, 7:00 p.m. in room 114 of the Wood County Courthouse. Talk-in on 146.79 for entry into the building.

#### WISCONSIN VALLEY RADIO ASSOCIATION (WAUSAU)

First Tue. - 7:30 p.m. - Location varies; info on 146.04/64, Wausau.

#### YELLOW THUNDER AMATEUR RADIO CLUB (BARABOO)

Days rotate: The meeting dates for 1996 are Aug 14, Sep 12, Oct 15, Nov 13, with the Holiday party scheduled for Friday December 13, 1996. All meetings will be at the Baraboo Civic Center, room 14, unless otherwise noted. Starting time for the monthly club meeting is 7:30 p.m.. The program start time after the meeting is 8:00 p.m., with a one hour limit.

Let Badger State Smoke Signals know your club's meeting dates, and we will let our readers know of your meetings and activities. There may be Amateurs in your area interested in joining your club, or members of other clubs interested in making an interclub visit.

## The Test Point



### Amateur Radio Examination Locations and Schedules in the Wisconsin Area

August 31, 1996	Tomahawk, WI
August 31, 1996	Wauwatosa, WI (MRAC)
August 31, 1996	Hayward, WI Hayward Hamfest
September 07, 1996	Fond Du Lac, WI
September 07, 1996	Oshkosh, WI
September 07, 1996	Racine, WI
September 07, 1997	Pewaukee, WI
September 07, 1996	St. Paul, MN
September 08, 1996	Dubuque, IA Dubuque Hamfest
September 12, 1996	Apple Valley, MN
September 14, 1996	Appleton, WI
September 14, 1996	Blaine, MN
September 14, 1996	Bloomington, MN
September 14, 1996	Madison, WI
September 14, 1996	Oak Creek, WI
September 17, 1996	Eden Prairie, MN
September 18, 1996	Milwaukee, WI (MRAC)
September 21, 1996	Cottage Grove, MN
September 21, 1996	Loves Park, IL
September 21, 1996	Onalaska, WI
September 21, 1996	Grays Lake, IL
September 22, 1996	Radio Expo 96
September 28, 1996	Tomahawk, WI
September 28, 1996	Wauwatosa, WI (MRAC)
October 05, 1996	Oshkosh, WI
October 05, 1996	Racine, WI
October 05, 1996	St. Paul, MN
October 05, 1996	Pewaukee, WI
October 10, 1996	Apple Valley, MN
October 12, 1996	Medford, WI
October 12, 1996	Blaine, MN
October 12, 1996	Bloomington, MN
October 12, 1996	Madison, WI
October 12, 1996	Marshfield, WI
October 12, 1996	Oak Creek, WI KMRA Hamfest
October 13, 1996	Waukesha, WI

October 15, 1996	Eden Prairie, MN
October 16, 1996	Milwaukee, WI (MRAC)
October 19, 1996	Cottage Grove, MN
October 19, 1996	Loves Park, IL
October 19, 1996	Rdeganite, WI
October 26, 1996	Tomahawk, WI
October 26, 1996	Wauwatosa, WI (MRAC)
November 02, 1996	Waukesha, WI 9.91 Hamfest

November 02, 1996	Menomonee, WI
November 02, 1996	Oshkosh, WI
November 02, 1996	Racine, WI
November 02, 1996	St. Paul, MN
November 02, 1996	Pewaukee, WI
November 03, 1996	Kaukauna, WI Fox Cities Swapfest
November 09, 1996	Blaine, MN
November 09, 1996	Bloomington, MN
November 09, 1996	Madison, WI
November 09, 1996	Marshfield, WI
November 09, 1996	Oak Creek, WI
November 14, 1996	Apple Valley, MN
November 16, 1996	Cottage Grove, MN
November 16, 1996	Loves Park, IL
November 19, 1996	Eden Prairie, MN
November 20, 1996	Milwaukee, WI (MRAC)
November 30, 1996	Onalaska, WI
November 30, 1996	Wauwatosa, WI (MRAC)
December 07, 1996	Oshkosh, WI
December 07, 1996	Racine, WI
December 07, 1996	St. Paul, MN
December 07, 1996	Pewaukee, WI
December 07, 1997	Stevens Point, WI
December 12, 1996	Apple Valley, MN
December 14, 1996	Blaine, MN
December 14, 1996	Bloomington, MN
December 14, 1996	Madison, WI
December 14, 1996	Oak Creek, WI
December 14, 1996	Marshfield, WI
December 17, 1996	Eden Prairie, MN
December 18, 1996	Milwaukee, WI (MRAC)
December 21, 1996	Cottage Grove, MN
December 21, 1996	Loves Park, IL
Monthly, 1st Sat.	Racine, WI (except January, July & August)
Monthly, 1st Sat.	Oshkosh, WI
Monthly, 1st Sat.	St. Paul, MN
Monthly, 2nd Thu.	Apple Valley, MN
Monthly, 2nd Sat.	Oak Creek, WI
Monthly, 2nd Sat.	Madison, WI
Monthly, 2nd Sat.	Bloomington, MN
Monthly, 2nd Sat.	Blaine, MN
Monthly, 3rd Tue.	Eden Prairie, MN
Monthly, 3rd Wed.	Milwaukee, WI (MRAC)
Monthly, 3rd Sat.	Loves Park, IL
Monthly, 3rd Sat.	Cottage Grove, MN
Monthly, Last Sat.	Wauwatosa, WI (MRAC) (except December)
Monthly, Last Sat.	Tomahawk, WI (January thru October only)
Quarterly	Marshfield, WI (Second Saturday every third month.)

Many Swapfests/Hamfests offer exam sessions. If not shown above contact the sponsoring club in the Swapfest column on page 2.

The FCC now requires applicants to show their ORIGINAL AMATEUR LICENSE to the VEC. A copy of your license must be attached to your FCC form 610. You will also be required to have a photo ID, or other acceptable identification.

#### GENERAL RULES

##### FOR MOST EXAMINATIONS:

Be sure to check with sponsors in the event there are changes and/or errors in the dates or information given.

Some examinations require filing an FCC Form 610 and advance registration at least 30 days before the exam date. (Some VECs permit walk-ins. Check with sponsor.)

To register, you must first secure a copy of the current FCC Form 610 and fill it out completely (AND CORRECTLY). Get your form from an FCC Field Office, the ARRL. Send a 32c/ SASE if you request one from the ARRL. In most cases, forms can also be obtained from the sponsoring group.

ARRL/VEC examinations require a check for \$6.05 payable to "ARRL/VEC".

The FCC now requires applicants to show their ORIGINAL AMATEUR LICENSE or CSCE to the VEC. You must also have two good copies of your license or CSCE. A copy of your license or CSCE must be attached to your FCC form 610 and most VEC want a copy for their records. You will also be required to have a photo ID, or other acceptable identification.

Technician class licensees must show proof of testing before March 21, 1987, in order to upgrade to General with a code test only.

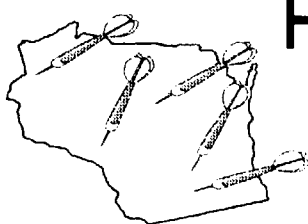
Additional information is given below.

#### MILWAUKEE RADIO AMATEURS' CLUB (MRAC/VEC) OAK CREEK, WI

SECOND SATURDAY DATE: 1:00 p.m. at Wauwatosa Savings Bank, 6560 S. 27th St., Oak Creek, WI.

THIRD WEDNESDAY DATE: At 6:30 p.m. at Village at Manor Park, (was Methodist Manor) 3023 S 84th St., (84th & Oklahoma) Milwaukee, WI.

(continued on page 15)



## HERE and THERE

### Contest Advisory Committee studying Novice/Tech event

The ARRL Contest Advisory Committee is seriously considering the creation of a contest for Novice, Technician and Technician Plus class operators, tentatively dubbed Sprint NT. "Some of the basic rules have been hammered out within the committee, and we are in the process of seeking membership input to fine tune them," a CAC report notes. In general, the CAC is looking at these basic guidelines, subject to change:

- Time period would run from 7 AM Saturday to 1 AM Sunday EST.
- All Novice, Technician and Technician Plus frequencies may be used.
- Separate Novice and Technician winners would be determined.
- CW QSOs would count 6 points each; SSB/FM QSOs would count 2 points each.
- Multipliers would consist of ARRL sections plus one DX contact per band.
- Multipliers would count only once per band, regardless of mode.
- QSOs would count once for each band/mode.
- Only Novice, Technician and Technician Plus ops would be allowed to call CQ.
- Rules would include provision for an "Elmer" to help but not actually make QSOs.

Pending final approval from the ARRL Board of Directors, the contest could come into being as

early as next summer. The CAC welcomes comments via e-mail to [cac@arrl.org](mailto:cac@arrl.org).

*The ARRL Letter, 9/5/96*

### Current FCC Form 610 is still good

Unlike the expiration dates on perishable food items in the grocery store, the expiration dates on the FCC Form 610 can be safely ignored. A lot of hams have asked about them, however, because an "expiration date" of August 31, 1996, appears in the upper righthand corner of current FCC Forms 610 that were issued in November 1993 and in March 1995 (as shown in the lower righthand corner).

ARRL/VEC Manager Bart Jahnke, KB9NM, says the August 31, 1996, expiration date is an internal FCC reference date only, and it is not a date to instruct the public when to stop using the form.

The FCC says the November 1993 and March 1995-issued FCC Forms 610 are okay to use and will continue to be acceptable for use until further notice.

*The ARRL Letter, 8/28/96*

### FCC puts test electronic vanity filing site on the Web

This is only a test! In preparation for an expected onslaught of Gate 2, 3 and 4 vanity call sign applications, the FCC has made available a test version of the electronic Amateur Station Vanity Call Sign Request form, Form 610V. The electronic test form is available on the World Wide Web at <http://www.fcc.gov/wtb/amradsrv.html> (click on Interactive Beta Test Server to access the form). Detailed filing instructions are available by clicking on the item number on the Internet form. The FCC plans to run the Internet electronic filing test for

approximately one week, so prospective electronic filers can get a feel for the process and comment on the form. At that point, the FCC is expected to issue another public notice saying when the the electronic Amateur Station Vanity Call Sign Request form will be put on line for real (check WIAW bulletins and the ARRL Web page for late-breaking information). Send written comments and suggestions regarding electronic filing to the Wireless Telecommunications Bureau to [webmail@fcc.gov](mailto:webmail@fcc.gov).

Over the next few months, the Wireless Telecommunications Bureau intends to allow applicants for all services to submit their applications over the Internet. For technical assistance, contact the FCC Technical Support Group at 202-414-1250. For general questions regarding the application, call the Wireless Telecommunications Bureau, Consumer Assistance staff at 800-322-1117. —FCC

*The ARRL Letter, 9/13/96*

### FCC clarifies vanity filing procedures

With vanity call sign Gate 2 set to open September 23, the FCC is asking hams to direct all inquiries concerning amateur vanity call sign requests and filing procedures to the Wireless Telecommunications Bureau's Consumer Assistance Branch in Gettysburg, Pennsylvania (800-322-1117). Do not call the Commission's lockbox contractor in Pittsburgh, Pennsylvania.

The Bureau also notes that vanity call sign requests -- as well as other application types -- are processed in receipt date order only. The time of delivery within a given receipt date has no bearing on the order of processing on that day. An application filed at 12:01 AM has the same processing priority as an application received at 11:59 PM that same day. Applications will be processed in the order received at the processor's work station. The Bureau suggests taking this into consideration when delivering applications to Pittsburgh. (As vanity call sign gates open, no grants will occur until all first-day applications have been received, no matter the manner of delivery--Ed.) —FCC

*The ARRL Letter, 9/13/96*

### Goldwater suffers stroke

Former US Senator Barry M. Goldwater, K7UGA, of Scottsdale, Arizona, was undergoing tests in a Phoenix hospital the week of September 9, after suffering a stroke. A spokesman said Goldwater, 87, suffered a minor stroke September 9. Family members said he was "resting comfortably." Goldwater, author of the book "Conscience of a Conservative," ran for President against Democrat Lyndon Johnson in 1964.

*The ARRL Letter, 9/13/96*

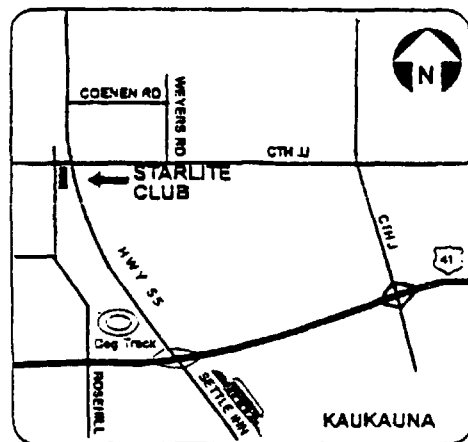
### FCC fines Arizona man for violating Amateur rules

One of the more egregious cases of malicious interference to Amateur Radio has apparently ended in Arizona, thanks to a determined effort by amateur volunteers and a little intervention from First Lady Hillary Rodham Clinton and several members of Congress. On August 30, the FCC fined Timothy Harold Hoffman of Phoenix, Arizona, \$6000 for willful violations of various Federal laws last spring. But the headaches did not begin then. Lance Halle, KC7FVX, reports Phoenix repeaters have been plagued for approximately four years by "vile, malicious interference" from an individual posing as a ham and expropriating call signs to use on the air. The problems included interference with ham radio

## FOX CITIES AMATEUR RADIO CLUB

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Kaukauna, WI • November 3, 1996



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- At the Starlite Club, corners of Hwy. 55 and Cty. Road JJ
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**AMATEUR RADIO EXAMINATION INFORMATION:** Registration starts at 8 a.m. on Sunday, November 3. Registration ends at 9 a.m. and testing begins. No walk-ins after 9 a.m. Bring original license plus two copies. Bring a photo I.D. For more exam info, contact Larry Siebers, KD9IA, phone (414) 757-1167.

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...and phone patches. Halle said the Arizona Repeater Association's local interference committee had tracked down and identified the guilty party two years earlier and notified the FCC, which caught him "singing vulgar lyrics over a swap net" and issued a Notice of Violation, but not fined.

As Halle explained, "That stopped him for a couple of months, but he soon was back, worse than ever" and thumbing his nose at the FCC. The committee kept documenting his activities and began keeping the ARRL in the loop. After a year of "no action," the club began a letter-writing campaign to the Congress and the White House. Last month, Halle got a letter from FCC Compliance and Information Bureau Chief Beverly G. Baker that began, "First Lady Hillary Rodham Clinton has asked me to respond to your inquiry." Halle says he also heard from three members of Congress who also got similar letters from the FCC.

"It seems the system does work, but needs a little help from Congress at times," Halle observed after the FCC issued the \$6000 fine to Hoffman. Halle said he hopes future malicious interference cases get more prompt attention as a result of this case.

According to an FCC Further Notice of Apparent Liability, agents from the FCC's Douglas, Arizona, field office using mobile direction-finding equipment last May 14 detected LSB signals on CB channel 36 (27.365 MHz) coming from Hoffman's residence. The transmissions consisted of retransmitted signals from a ham radio repeater on 147.24 MHz, in contravention of federal regulations that prohibit one-way transmissions and transmission of "material to amuse or entertain." The following evening, agents tracked signals on 146.34 MHz, a common 2-meter repeater input frequency, to Hoffman's residence. The operator was using a false Amateur Radio call sign. FCC agents attempted to inspect the radio station, but Hoffman did not allow them to, nor would he confirm or deny the radio operation. However, the FCC says the transmissions stopped after the attempted inspection.

After issuing an Official Notice of Violation to Hoffman in June (which cited five specific violations, including transmitting on ham frequencies without a valid operator or station authorization, and willfully and maliciously interfering with ham radio communications), Hoffman admitted responsibility for the violations. At that point, the FCC notified Hoffman that he faces a \$6000 fine.

"The real credit goes to the volunteers of the Amateur Auxiliary, who did the legwork and follow-up to make it happen," said ARRL Field Services Department Manager Rick Palm, K1CE. "They never gave up and are now entitled to bask in the sunshine of this FCC action. Our hats are off to our League volunteers for a job well done in the face of daunting challenges."

*The ARRL Letter, 9/13/96*

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## Silent Key

**William (Bill) E. Uhalt, W9UTV, 76, of  
Madison, died September 2, 1996.**

Bill sold Amateur Radio equipment at  
Satterfield Electronics in Madison in the  
1950s.

## Solar activity dips

Solar prognosticator Tad Cook, KT7H, of Seattle, Washington, reports that solar activity was down from September 5 to September 11, with the sunspot numbers below the 90-day average of 71 on every day of the period. Solar flux was down an average of more than 4, and sunspot numbers were down an average of 11 compared to the week previous. Solar activity was down again during the period September 12 to September 18. Average solar flux was down about a point, and average sunspot numbers were down about 3.7. Every day except September 12 had no visible sunspots. The daily solar flux was below the 90-day average of 71 on each day over the past week. Solar activity is expected to increase over this week (September 22), with solar flux to peak in the mid 70s around September 24-26. Geomagnetic conditions are expected to peak around September 25 with A indices around 25 and K indices as high as 5. After October 1 solar flux should drop below 70. Geomagnetic conditions should get unstable again around October 7-13.

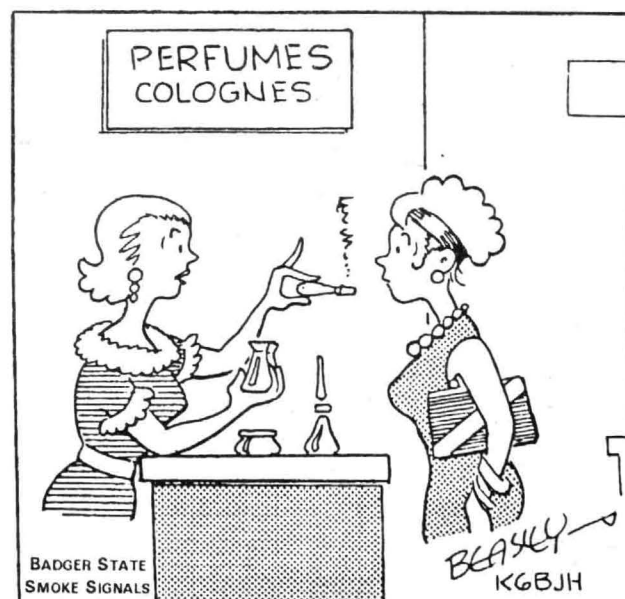
The days are growing shorter, and the fall equinox will arrive September 22. Because of less daylight, 20 meters is becoming more of a daylight band.

Sunspot numbers for September 5 through 11 were 0, 0, 15, 15, 0, 0 and 0, respectively, with a mean of 4.3. The 10.7-cm flux was 70.3, 69.7, 69.5, 68.2, 67.9, 68, and 67.6, respectively, with a mean of 68.7. Sunspot numbers for September 12 through 18 were 11, 0, 0, 0, 0, 0 and 0, respectively, with a mean of 1.6. The 10.7-cm flux was 67.8, 67.3, 67.1, 66.4, 68, 69, and 68.9, respectively, with a mean of 67.8.

*The ARRL Letter, 9/20/96*

## On the Lighter Side

By Bob Beasley, K6BJH



IF YOUR BOYFRIEND IS A HAM, THIS FRAGRANCE WILL REALLY GET HIS ATTENTION --- IT'S CALLED "BURNING CIRCUIT BOARD"

## STILL MORE VANITY CALL NEWS: Vanity call sign form to be available September 23

There's good news and bad news about the FCC's plans to provide for electronic filing of vanity call sign requests. The good news is that an electronic version of the Amateur Station Vanity Call Sign Request Form 610V was available starting at 12:01 AM EDT on September 23, 1996. Applicants can access the form on the Internet at the Federal Communications Commission Wireless Telecommunications Bureau home page, <http://www.fcc.gov/wtb>, under Amateur Radio-Interactive Vanity Call Sign. Detailed filing instructions are available by clicking on the item number on the Internet form.

The bad news is that electronic payment is not yet available. The FCC said that applicants must mail a completed FCC Form 159, FCC Remittance

*Please turn to page 9*

## The QCWA Teller Gang

Members of the Quarter Century Wireless Association Southeastern Wisconsin Chapter 162 did the ballot counting in this year's QCWA International counting. The hard-working crew, pictured here, consisted of Al Algiers, W9HR; Bill Komistra, W9OVZ; Steve Bellgraph, K9ZL (sitting); (under banner) Chapter President Ken Knoff, N9NBC; Bob Jensen, W0WLN; Ed Konicek, W9NVK; Chuck Knotek, W9GKM; and (sitting) Spence Clope, W9LDH.



Photo courtesy Larry McCalvy/WA9JMO

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Send this form, with your check or money order, to Jim Decker, WB9UQT, Treasurer, P.O. Box 337, Baraboo, WI 53913-0337. Please do NOT send cash!

October 1996



# The Computer Corner

By Stan Kaplan, WB9RQR

105 Martin Drive

Port Washington, WI 53074-9654

(414) 784-9346

WB9RQR @ N9PBY EN63BLWIUSA.NA  
SKAPLAN @ POST.HS.MCW.EDU

## No. 35: JUST AMAZING

There is no doubt about it; computers are just amazing. Even though I have worked with them almost daily since 1979, their phenomenal capabilities constantly impress me. I thought I would share with you this month those things which awe and delight me the most. Maybe your list is different.

1. The ability to accomplish what we humans view as more than one thing at a time. When writing in a word processing program, for example, one can send a file to the printer, then immediately return to writing while the file is being printed in the background. Another example which just "blows my mind" is that I can start my CD ROM playing music, then begin any DOS or Windows program that I desire. I am using DOS-based WordStar to write this article on my computer as the same computer's CD is playing the haunting melodies of the Irish singer Enya through its speakers. This ability to handle multiple tasks at apparently the same time is not new; it has been available since at least the early 1980s, if not earlier.

2. The blazing speed with which computers can accomplish tasks. If a human were to begin counting at the rate of one number per second, it would take about 11.6 days (without stopping, even for coffee!) to reach one million. A couple of years ago I wrote a little PASCAL program to count to a million, and I just dug it out and ran it on three computers. Here are the results:

COMPUTER	TIME TO COUNT TO ONE MILLION	FASTER THAN A HUMAN BY A FACTOR OF
XT 10 MHz	1 min 2.00 sec	16,218
AT 386 40 MHz	1.32 sec	759,273
AT 486 66 MHz	0.44 sec	2,277,818

Even that old XT did the job about 16,000 times faster than a human, and the machine I am using to write this article did it 2.3 million times as fast! Do you know of any other tool invented by humans that can speed a task by even 16,000 times? I don't. Assuming a jet plane travels at the speed of 500 miles an hour, it is only going about 167 times as fast as a human moving at a moderately brisk walk. Computers are FAST!

3. The ability of computers to do repetitive tasks without tiring. Counting to a million as shown above was nothing for even the XT. Feed 'em current, and they will work forever (well, almost). They don't get tired. They don't complain. They don't have to be taken out for a walk. Amazing.

What is on the horizon? Speed will continue to march upward in the computer world. The movement of electrons in wires has already become a stumbling block to speed in supercomputers, and it will soon force an upper limit in the average home computer as well. Light will take the place of electron flow, using fiber optic "wires" to carry light pulses from one place to another inside the case. Of course, light is already being used in CD ROM drives, to record and play back data. The newest CD ROMs even play by themselves; you drop the disk in the drive and the sounds of the symphony begin to come out of the speakers without any other human intervention. If the disk holds a program instead of music, the question "Shall I begin installation?" pops up on your screen. Nice touches.

What is coming along in the far future (25 or more years)? Most times when I mention this, people do a double take and think I am kidding. I am not. Down the line, computers will become implantable. In the human body. Someday down the line, if you want to make a phone call, you will only need to think it, and the connection will be made. If you want to look up the date one of your employees began working for you, you will need only to think the question, and the answer will appear superimposed on your field of vision. If you want to watch a movie, a thought will cause it to begin playing, apparently before your eyes. Yep, it will happen. Remember you read about it here. Happy computing!

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## repeaters callsigns

Continued from front page



A framed memorial to the late Clyde "Coffee" Downing, W9HSY, created by Paul Goemans, WA9PWP, left, is presented to MARA President Jim Wafdorf, KB9AQQ.

Photo courtesy Jim Wafdorf/KB9AQQ

to implement the vanity callsign program in early 1996. I sent in the documents to the FCC at the end of November 1995. By mid-December after the federal government shutdown, W9HSY was removed from the FCC amateur database.

With the issuance of the FCC vanity callsign fact sheet, I realized that our plan could be carried out if we got written permission from a close relative of Clyde's, but could I find one? With Kathy Eder's help again I got the name of a stepsister, Zola, who supposedly lived in Delavan, WI. Directory assistance yielded a phone number, I called - no answer for several days. Finally one day, a woman answered and I had Zola's daughter on the phone. It seemed that Zola was in poor health and was in the hospital. I introduced myself and explained why I had called. She was very supportive of my efforts and in early January 1996, I had a signed letter of consent from Zola in my hands. Now to wait for the opening of gate 1A.

Gate 1A opened in late July 1996. I sent the completed form 610V with supporting documents to KB9AQQ, MARA club license trustee, who signed and mailed it to the FCC. The callsign W9HSY was issued to MARA on August 9, 1996. I designed a framed memorial containing the new club license, a photo of Clyde, and a small brass plaque. When not being displayed at meetings, it will be hung at MARA's main repeater site.

## FROM THE EDITOR.....

The late Gilda Radner said it well, and she was right: "It's Always Something!"

Earlier in the year, we needed to procure better optical character recognition software to help us produce this newspaper every month. ManCoRad came through for us and donated \$130.00 for what has turned out to be some very powerful and very intelligent software from Caere.

Now, our laser printer is giving us problems, and needs repair or replacement. Considering all facets, it will be, without question, best to replace the HP LaserJet III with a 600 dpi HP LaserJet 5P. We already have, either in hand or committed, \$300.00 from one club and several individuals; generous and helpful, to say the least. We need to find \$500.00 more to be able to upgrade to the new laser printer. If you or your club would like to lend a hand to this volunteer effort, it would be most welcome. And we would be more than grateful.

The HP 5P will also allow us to get the greatest benefits of that Caere software.

All who help will be credited in print, unless they ask otherwise. Thanks for reading.

Jim Romelfanger, K9 Zed Zed, editor,  
and the volunteer staff of BSSS

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# Wisconsin QCWA Tri-Chapter Social Gathering

By Larry McCalvy, WA9JMO  
1996 Chairman  
5400 Six Mile Road  
Racine, WI 53402



Larry McCalvy, WA9JMO, of the Southeastern Wisconsin Chapter 162, right, receives the QCWA Meritorious Award from Chapter President Ken Knoff, N9NBC.

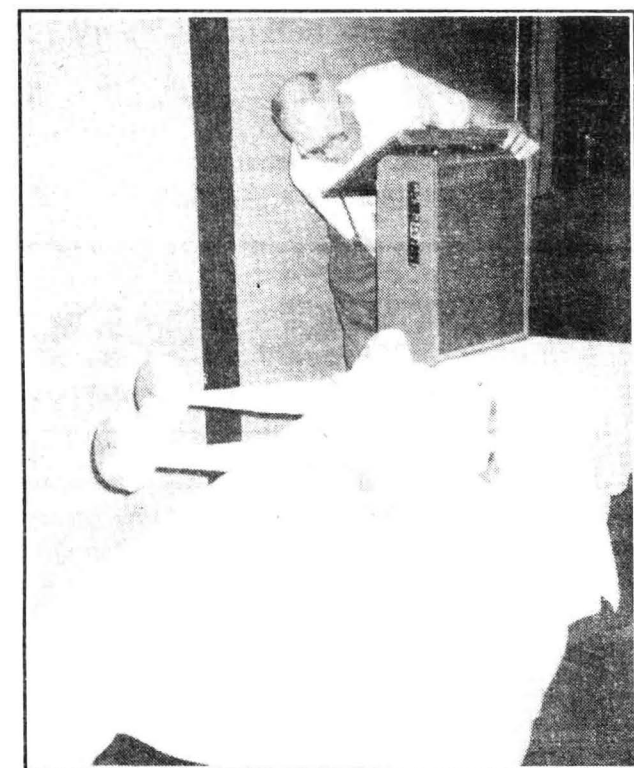
Photo courtesy Larry McCalvy/WA9JMO

On Saturday, the 24th of August 1996, the three QCWA Wisconsin Chapters, 55, 162 and 174, met at Butch's Anchor Inn Restaurant in Oshkosh to break bread, socialize and swap lies about the rare DX contacts they almost made. Forty-seven Chapter members and their guests enjoyed a fine meal, excellent service and an afternoon of QSOing without having to use a transceiver. For some, it was an opportunity to put a face with a voice heard on so many 75 meter phone contacts over the years, others relaxed falling into easy ham conversations and had only a little QRM from their respective spouses to contend with.

Prior to the meal during registration, Bill Komistra, W9OVZ, set up a display of old vacuum tubes that all the attendees were welcomed to hold and comment on. Bill, at least while I was listening, did a remarkable job of fielding questions as he ran a continuing dialog on the topic.

Each attendee received a 7-inch ruler as a souvenir and a door prize.

A spokesperson for each Chapter was invited to speak on their Chapter's yearly highlights and make, if they wished, any appropriate presentation. After the spokesperson's comments, only Chapter 162's president had a presentation to make. Larry McCalvy, WA9JMO, was recognized with the National QCWA's Meritorious Award "in grateful appreciation for his untiring and devoted efforts and services to the Association during (the period) 1991



Bob Jensen, W0WLN, busily prepares his presentation about his experiences during WW II.

# Wisconsin Amateur Internet Addresses

CALL	NAME	E-MAIL/WEB URL
KC2AK	Stas Wnukowski	Staskc2ak@aol.com http://users.aol.com/staskc2ak
AA9BB	Jim Wiskow	jcwiskow@win.bright.net
AA9BJ	Tom Hetzel	aa9bj@excel.net
WA9BQW	Jule Kish	wa9bqw@juno.com
KB9BYP	Jeff Schmeichel	kb9byp@execpc.com
N9CLG	Ed Pliner	n9clg@aol.com
KF9CS	Mark Heimmermann (WAR Secretary)	kf9cs@execpc.com www.execpc.com/~kf9cs
KA9D	William G. Menzel	menzelw@wctc.net www.wctc.net/~menzelw
KB9DAC	Kevin King	kb9dac@juno.com
N9DXZ	Dave Asplin	asplind@dgabby.mfldclin.edu
KB9ENO	Bill Niemuth (WAR Vice Chair.)	bnienuth@execpc.com
NX9F	Jim Ley	ley@uwstout.edu
KE4FE	Gary Day	ke4fe@newnorth.net
KA9GCW	Jim Kline	jkline@centuryinter.net
K9GDF	Rich Regent	RREGEN@mhsgate.ci.mil.wi.us
N9GHZ	Mike Schoenfuss	muzikman@waun.tdsnet.com
N9GJJ	Eugene Tetzlaff	ETHOLMEN@AOL.COM
WB9GYT	Rick Kissell	rkissell@execpc.com
WJ9H	Tom Weeden	tcweeden@execpc.com
KB9HAM	Don Parkinson	deprknsn@execpc.com
KA9HKL	Duane Grotophorst	dgrotophorst@globaldialog.com
WD9HOD	Ray Vollrath (WAR Editor)	vollrath@execpc.com
KB9IQL	Marty Werner	mwerner@waun.tdsnet.com
K9JIG	Denis Christopherson	k9jig@execpc.com
WA9JOB	Nels Harvey (WAR Chairman)	nhar@execpc.com
WA9KFR	Walter Stasiowski	wa9kfr@corenet.net
N9KY	Bill Witt	bwitt@execpc.com
KA9LAQ	Mike Pagel	mpagel@uwsp.edu
N9LOO	Brian Skrentny	n9loo@execpc.com www.execpc.com/~n9loo
N0MKJ	Bill Rupp (Milw. Foxhunt Club)	wrupp@execpc.com www.execpc.com/~wrupp
N9NQW	Jeff Seefeldt	n9nqw@kb5ogn.ampr.org
N9OIG	Kevin Drissel	n9oig@wi.net
K9OQO	Jim Sheetz (WAR Treasurer)	k9oqo@aol.com
N9PBA	Keith Belongia	keithbel@execpc.com
W9PHF	Ray Greisinger	GREISINR@UWGB.EDU
N9PHS	Wes Jones	wrjones@mail.wiscnet.net
WA9POV	Dave Knaus	wa9pov@execpc.com www.execpc.com/~wa9pov
W9PVD	Gordon Lauder	gw9pvd1@win.bright.net
WB9QBA	George Gruetzmacher	grgruetz@vms2.macc.wisc.edu
AA9RK	Mike Falk	mjfalk@omnifest.uwm.edu http://ods.ods.net/ketchup/index.htm
N9RSU	Leroy A. Dick, Sr.	n9rsu@edp.net
K9RTB	Bob Klein	JSUW61A@prodigy.com
N9TNW	Bill Vincent	wvincent@execpc.com
N9UBQ	Roland Sacho	tcemlepc@waun.tdsnet.com
N9UNR	Dave Barrow (WAR Freq. Coord.)	n9unr@execpc.com
N9UXG	Sue Wiskow	jcwiskow@win.bright.net
K9VSO	Jim Breszee	k9vso@itis.com
AD9W	Dean Andrewjeski	deanjeski@aol.com
WB9WBN	Gerald Werner	wernerg@dgabby.mfldclin.edu
W9YCV	Lester Peterson	LesW9YCV@aol.com
N9YJJ	Bruce Schaffer	bshafer@overlord.edp.net
W9YOA	Jack Klein	jklein@peoples.net
K9ZZ	Jim Romelfanger	smokesigs@baraboo.com
	Dane Co. ARES	www.danenet.wicip.org/~ares
	ECResources, Ltd.	www.execpc.com/~kf9cs/ecr.htm
	Eau Claire Amateur Radio Club	mceraso@mail.edp.net
	Red Cedar Repeater Association	www.edp.net/~mceraso/ECARC.html
	net.net/~tazman/rcrainfo/rcrainfo.html	http://discover-
	Washington County ARC	
	West Allis Radio Amateur Club	
	Wisconsin Association of Repeaters	www.nconnect.net/~wcarc
		wa9pov@execpc.com
		www.execpc.com/~wa9pov/warac.html
		n9unr@execpc.com
		www.execpc.com/~wa9pov/war.html

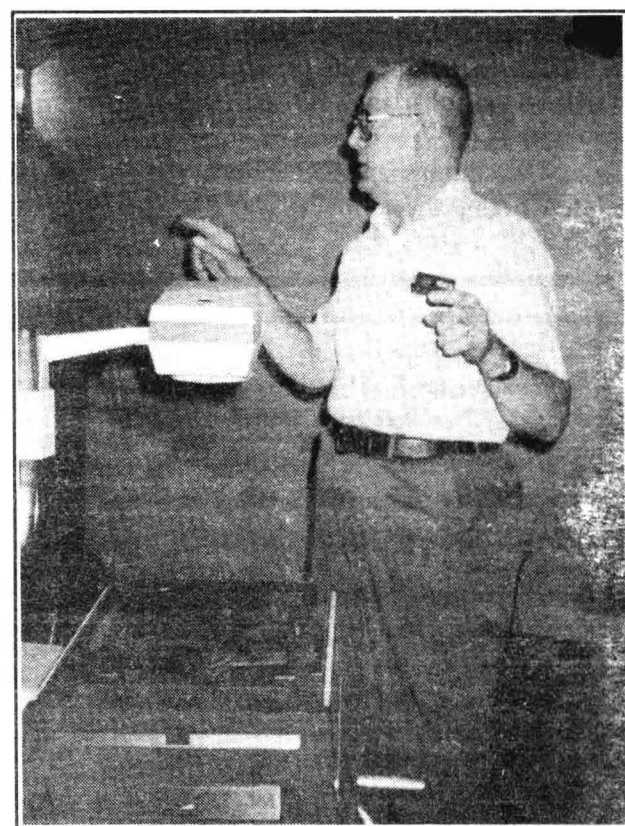
Updated 09/10/96 - Complete listing

Note that e-mail addresses and Web URLs may be case sensitive.  
Send additions and changes to wa9pov@execpc.com.  
This list is also available at www.execpc.com/~wa9pov/bsslist.html.

- 1995," by Chapter President Ken Knoff, N9NBC.

The program, at the conclusion of the meal, was presented by Major (retired) Robert Jensen, W0WLN, of the United State Air Corp. Bob, a P-38 pilot during World War 2, was shot down and spent three-years in a German Prisoner of War Camp. With aid of a model of a P-38 airplane and a series of slides, Bob shared with us his day-to-day existence, the rare Red Cross medical packages that found their way to his camp; and the sulphur it contained that allowed his life threatening wounds to be successfully treated, and many of the high and low points that manifested itself during that period, until finally freed by the advancing Allied Forces.

The presentation held everyone riveted to their chairs, anxiously awaiting each detail as it unfolded. We all enjoyed a truly interesting and informative program by a very special person. Thanks again, Bob.



Bob Jensen, W0WLN, gives his talk about his experiences in WW II, including as a POW in a German camp.

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## HERE and THERE

Continued from page 5

Advice, with payment to Federal Communications Commission, Box 358994, Pittsburgh, PA 15259-5994. Note that this is a different Post Office box and ZIP code than for vanity requests and payments using hard-copy forms.

For technical assistance, call the FCC Technical Support Group at 202-414-1250. For general application assistance, call the Wireless Telecommunications Bureau, Consumer Assistance staff at 800-322-1117.

The ARRL Letter, 9/20/96

### Info on older Kenwoods

Kenwood is offering FTP access to many Kenwood service bulletins and application notes via the Internet. Visit the Kenwood FTP site from Kenwood's Web page, <http://www.kenwood.net/> (click on What's New at Kenwood) or directly at <ftp://ftp.kenwood.net>. The FTP site includes Kenwood equipment bulletins and notes dating back to 1975.

The ARRL Letter, 9/20/96

### Where's my Great Circus Train contact certificate?

If you worked K9JYX/railroad mobile on the Great Circus Train in July and have not received your certificate, Don asks your patience. He has the design partially completed, but other duties, especially earning a living - with many overtime calls - have slowed him down a bit. Your certificate will come.

One thing that will help the process: If you worked the special event station, but did not send the required 9 x 12" SASE with 3 units of first class postage to Don, best you do so. His address is 401 11th Street, Baraboo, WI 53913. Many thanks.

Editor

### First issue of CyberHam off the press

The premiere issue of a magazine for radio amateurs who also operate on the various on-line networks such as the InterNet has been printed.

The magazine is published by bi-monthly by Harlan Technologies, and is edited by Sharon Harlan, WB9SFT. The publisher is Gene Harlan, WB9MMM.

The first issue contains articles such as "Ham Radio and the InterNet," "Hams on CompuServe," "Linux Labyrinth," "What is Cyberfraud?" "Satellite Tales," "Shareware Reviews," "Phone on the InterNet? You Bet!", "Reviews of Super Morse and Anti-Virus Software", and more.

CyberHam's editorial office is at 5931 Alma Dr., Rockford, IL 61108. Landline voice phone is (815) 398-2683; FAX (815) 398-2688. InterNet address is [gharlan@cris.com](mailto:gharlan@cris.com). The sales voice number is (800) 557-9469.

Subscriptions are \$19.95 per year in the US, and \$23.95 per year in Canada. Elsewhere, the rate is \$29.95 a year.

Articles, photos and stories are needed and welcome for B555. Please send these to the editor. See page 2 for the address.

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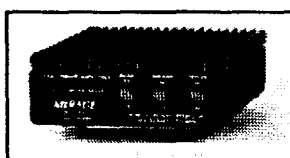
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## NEW PRODUCTS

### MIRAGE B-310-G 100 WATT 2-METER POWER AMPLIFIER

Mirage, the world's most rugged VHF/UHF amplifiers proudly announces the new B-310-G 100Watt 2 Meter Compact amplifier, only \$199 suggested retail.



Turn "You're breaking up .. Can't copy" into "Solid Copy ... Go ahead." Talk further .. Reach distant repeaters ... Log onto faraway Packet bulletin boards. The new rugged Mirage B-310-G 2 Meter amplifier operates all modes: FM, SSB, and CW. It's perfect for all handhelds up to 8 watts and multi-mode SSB/CW/FM 2 Meter rigs. It's great for the ICOM-706 -- you'll get 100 blockbuster watts on 2 Meters!

The Mirage B-310-G features a built-in low noise GaAsFET receive preamp that gives you 15 dB gain -- lets you dig out weak signals. It has SWR protection and Reverse Polarity protection. It prevents damage from antennas whipping in the

wind and can save your amp if you accidentally connect power backwards.

Mirage's integrated HeatsinkCabinet, and whisper quiet fan can really get heat out fast! The MIRAGE B-3 1 O-G is an ultra-compact 43/4X 13/4X73/4 inch 21/2 pound amplifier that delivers a super powerful 100 watts!

Mirage gives you an Automatic RF sense Transmit/Receive switch, remote keying jack and "On Air" high SWR, preamp, and power LEDs. Push buttons select SSB/FM, preamp, power. The Mirage B-310-G draws just 15 amps at 12-15 VDC.

The B-310-G comes with several free accessories. Mirage gives you a free 3 foot handheld to B-310-G coax cable -- just plug and play, a free mobile mounting bracket, and free rubber mounting feet for home use!

The Mirage B-310-G comes with a full one year warranty. With Mirage's legendary ruggedness, you may never need our superb warranty .. but it's there just in case.

For more information or your nearest dealer, contact Mirage Communications Equipment, 921 Louisville Road, Starkville, MS 39759; FAX: 601-323-6551; INTERNET WEB SITE: <http://www.mirageamp.com> or call 1-800-647-1800.

Mirage news release

## Ham-astronomer honored

Dr. James M. Moran, K1AKE, has been awarded the 1996 Karl G. Jansky Lectureship by Associated Universities Inc and the National Radio Astronomy Observatory. The Jansky Lectureship is awarded for outstanding contributions to the advancement of astronomy. Moran, a professor of astronomy at Harvard University, is best known for his application of the techniques of very long baseline interferometry (VLBI) to the study of astronomical masers. Masers are the radio equivalent of lasers. VLBI allows astronomers to image celestial objects at a level of detail unmatched by any other technique. In a recent spectacular result, Moran and his colleagues used VLBI observations of a rotating disk of masers near the center of the galaxy NGC 4258 to show that the galaxy's center contains an enormous black hole with a mass 36 million times that of the sun.

Moran credits Amateur Radio with starting him on his career path. Encouraged by his father, James M. Moran Sr, W1QUO, Moran was first licensed at the age of 13. The senior Moran is a longtime amateur, and his son still vividly remembers being shown a wood-chassis transmitter with a 35T tube that his dad had built in the 1930s. At his dad's suggestion, Moran decided to build a radio telescope for a high school science-fair project. He bought a World War II surplus military 430-MHz downconverter that provided input to his Hallicrafters SX-100 HF receiver. The results were recorded on a chart recorder. With this rig and a 6-foot-long helical antenna, he detected radio emission from the sun and won the top prize in the science fair.

Moran is a graduate of Notre Dame and the Massachusetts Institute of Technology. A staff member of the Smithsonian Astrophysical Observatory since 1970, he also is a professor of astronomy at Harvard University. He lives in Concord, Massachusetts, with his wife, Barbara, an Episcopal priest. The couple has two children. Moran holds a private pilot's license and also enjoys squash, tennis, hiking, camping, photography and windsurfing. He still maintains a weekly CW schedule with his dad on 20 meters.

The ARRL Letter, 9/20/96

## State Department of Emergency Management thanks hams for Weyauega communications help

*(Editor's note: The dozens of radio amateurs from more than 20 counties who helped during the Weyauega train derailment disaster in March received the following thank you from DEM. We're sorry to be so late in sharing it with our readers. Thanks to Mack Brophy, N9NTB, for the copy.)*

Dear Mack:

As Administrator of the Wisconsin Emergency Management Division I want to personally thank you for the effort you made to provide emergency communications during the March 1996 Weyauega incident.

Amateur radio plays a vital role in providing communications in support of public safety activities. The Weyauega derailment serves as yet another example of people willing to donate their time and equipment to ensure the safety of Wisconsin's citizens.

There are many changes taking place in Emergency Management. You will note for example that the Division of Emergency Government is now called Wisconsin Emergency Management. We feel this better describes the service we perform. I am

also new to this agency. I have been involved with public safety most of my life. I was appointed by Governor Thompson to this position effective May 13, 1996. I look forward to working with Amateur Radio during future exercises and events. It is a pleasure to know we have a large cadre of help available.

Thank you again for your commitment to making Wisconsin a safe place to live.

Sincerely,

Steven D. Sell, Administrator  
Wisconsin Emergency Management



# SSB

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**FOR SALE:** AT&T Model FAX3501D FAX machine w/3 rolls of FAX paper. For more information, contact Mike Schoenfuss, N9GHZ, P.O. Box 401, Abbotsford WI 54405, or call (715) 223-3318 and leave a message, or call (715) 387-9026 after 11 p.m. Monday through Friday.

**FOR SALE:** Heathkit SB-200 linear amplifier and Dentron MT-2000A kilowatt antenna tuner, both for \$450.00. Nat Perry, W0OCZ, Eau Claire, WI. (715) 838-9279.



# PARTICIPATING CLUBS AND ORGANIZATIONS



## Riverland Amateur Radio Club

Dan Abts, N9PZC  
Secretary

Club mail address: P.O. Box 621  
Onalaska, WI 54650



### MEETING MINUTES September 3, 1996

The September meeting of the Riverland Amateur Radio Club was called to order at 7:00 p.m. on September 3, 1996, by President Duane, W9HWQ. There were 21 people in attendance.

The minutes of the August meeting were accepted as read by Dan, N9PZC.

The treasurer's report was accepted as read by Roger, KA9BKK. We have 72 paid members.

Programs: Feroz, WU9N, was not present.

**444.475 Repeater:** Dan, N9PZC, reported that, when the 440 repeater arrived, it had to be returned because it was the business band version. Thursday of last week the correct model arrived. He programmed it and brought it to the club meeting to demonstrate. By the October meeting it should be operational on the hill. The frequency is 444.475 with a +5 MHz offset.

**Net Manager:** Mark, N9UNW, reported that the Sunday Night Net has been held regularly with between 10 and 20 check-ins. He has volunteers signed up to be net control through September. He asked for people to see him after the meeting to sign-up for a Sunday in October.

**ARES/Skywarn:** Kent, W9LZQ, reported that they were doing some planning for the future and may have a get together.

**Property Manager:** Bob, N9LZK, that he will be recording the serial numbers of the newly acquired 440 repeater equipment.

**Swapfest:** Dick, K0JYB, reported that 254 people attended the swapfest and we made over three hundred dollars profit.

Attendance at swapfests seems to be down all over. The commercial vendors said they will not come back next year because they didn't sell enough. Dick recommends that we do not hold a big swapfest next year. Kent, W9LZQ, made a motion that we cancel the large swapfest and hold a raffle instead. The motion was seconded by Roger, N9RWU, and passed. Dick will chair the committee and contact the gaming commission about getting a license to hold a raffle.

**146.97 Repeater:** Walt, AA9AW, reported that the repeater is working fine.

**Field Day:** Bill, KE9XQ, reported that next year field day will be at a local accessible site where many people will get a chance to operate.

**VE:** Bill, KE9XQ, reported that a few tests were passed at the Friday test session and at least six were passed on Saturday. This was about a 50% pass rate. We made enough money to more than pay for the room rental at the swapfest.

### Old Business

It was confirmed by Red, WO0W, that he will store the club trailers outside at his house and run the generator periodically to keep it in good working order.

### New Business

A vote was held to determine if Olaf Hauger, KB9NVP, should be accepted as a new member of the club. We welcomed him into the club.

Tom, WB9BJQ, made a motion at 8:20 p.m. to adjourn the meeting. The motion was seconded and passed.

*Respectfully submitted by Dan N9PZC*



**Club Station W9UDU • Racine, WI**  
ARRL Affiliated  
Providing Communications for American Red Cross and ARES

**Alex Voss, N9RGX, Secretary**  
c/o RMC • P. O. Box 3 • Racine, WI 53401-0003




## Ham Calendar 1996 Courtesy Racine Megacycle Club

OCTOBER					
Sat	5	Testing Racine	Fri	8	RMC Fox Hunt
Sun	6	Kenosha Ham Breakfast	Mon	11	RMC Meeting
Fri	11	RMC Fox Hunt	Sat	16	through
Sun	13	Hamfest Waukesha (KMRA)	Mon	18	Sweepstakes - Phone
Mon	14	RMC Meeting	Mon	18	QCWA #162 Business Meeting
Sat	19	BSA Jamboree on the Air	DECEMBER		
Sun	20	BSA Jamboree on the Air	Sun	1	Kenosha Ham Breakfast
Sat	19	Simulated Emergency Test	Fri	6	RMC Fox Hunt
Sun	20	Simulated Emergency Test	Fri	6	through
Sun	20	QCWA #162 Election	Sun	8	160-Meter Contest
Tue	29	Lakeshore Meeting	Sat	7	Testing Racine
NOVEMBER			Sun	8	QCWA #162 Christmas Meeting
Sat	2	Testing Racine	Mon	9	RMC Christmas Meeting
Sat	2	Sweepstakes - CW	Sat	14	10-Meter Contest
Sun	3	Kenosha Ham Breakfast	Tue	31	Straight Key Night

At (and beyond) press time, no information had been received for publication. We're sorry; any information which may be submitted will appear in November BSSS. □

## There and Here

• In the August issue, we forgot to say "thank you" to Bob King, KA9GNY, for his help installing the gear and antenna on the Great Circus Train. If you should happen to see him, ask him to do his famous imitation of a train whistle. He does it well!

• A bit more about Senator Russ Feingold's proposed law (see pages 13 and 12), which partially relinquishes federal regulation of radio and delegates authority to any governmental entity without any engineering or other qualification requirements of personnel enforcing CB over-power operators: Radio signals do not respect city limits, county lines, state borders, or the like. That is one of the reasons the federal government had been assigned that job in the first place (read that FCC). Before the FCC, it was the FRC (Federal Radio Commission), and before that, radio was first regulated and rules enforced by the U.S. Department of Commerce. Thus, radio is INTERSTATE by its very nature. And for that reason, the bill makes no sense, and it sets a very risky precedent. Please withdraw the bill NOW, Senator Feingold.

## Notes From the Section Manager

Roy Pedersen, K9FHI • 510 Park Street  
Juneau, WI 53039



Adams County ARC acquired the tower and antennas that were in place at the old Sheriff department annex; these will be put in place where ARC antennas are; the tower will be extended (AC Currents). Nice going, folks.

Beverly Grant, WB9ZBS, now has her late husband's call, W9ULM. Congratulations, Bev.

KB9EQI, Karl Simonson, has Extra. I had the privilege to be at the Adams County ARC picnic, good to talk with them.

ARRL Headquarters sends me a list of ARRL appointments regularly, check your appointments, renew if need be, please.

Every club should have a local interference committee, help your fellow hams.

Wisconsin was represented 100% in the D9RN nets, good going guys.

Band conditions for working /127 stations sure have been bad, hardly any stations on.

Sorry to report N9IHN a Silent Key. Christmas party for Watertown ARC is December 1 (Watertown ARC).

K9DHR needs someone to take the position of manager for D9RN, as he is giving that position up. We will miss you, Ade; good luck on your future ventures.

*In any group of eagles, you will find a few turkeys.* □

## Attention Card Ad Advertisers

In early September, bills for card ads were mailed. These ads are billed only once per year, and are billed in advance for the next one, two or three years. This is to remind those advertisers in spaces on our back page where spot color is used that we must have a response from you (and the rest) on or before November 30, 1996. If no response is received by then, your ad will be removed from the back page and another inserted in its space. We have advertisers who want those spaces with color and, when a space opens, their ads will be placed on the back page. Please reply to your statements as soon as possible. It helps makes our work easier, and may save your space if you or your club wishes to remain on the back. Thank you.

- Editor



## e.c.a.r.c. eau Claire amateur radio club

Carl Searing, W9NW, Secretary  
1129 McKinley Rd. • Eau Claire, WI 54703  
<http://www.edp.net/~mceraso/ECARC.html>

### MEETING MINUTES September 10, 1996

The meeting was opened by President Kevin Zehr, N9OHE, at 1930 hours. The secretary's report was read and approved, as was the treasurer's report, which also dealt with Hamfest receipts.

Following a roll call (21 present), there was discussion on the date of the 1997 Hamfest. We had selected the same weekend as in 1996, but it seems that there is a possibility that the Fair may move to that date. The weekend of August 2 was selected as the most favored of three alternates, if we cannot get our original date. We will not know the Fair Committee's decision until the next club meeting.

**Club Equipment:** What to do with Part II (Non-repeater gear): After much discussion and perusing of the equipment list, the club voted to stop insurance coverage of selected equipment, almost all rather old, and in packet service. We will write off the gear, leaving it in service as long as it works. If the units go out of service, they are to be returned to the club.

Joe Eide, KB9R, stated that the standby battery for the 31/91 repeater has been donated to the club by the Cablevision firm for which he toils. A letter of thanks will be sent.

Jim Ahnemann, W9FWQ, donated two large boxes of electron tubes and meters for the assembled scroungers to pick over, and there appeared to be none left for him to take back home. Thanks, Jim.

Lunch Committee for the October 8 meeting: WD9HFT, N9YJJ.

Meeting adjourned at 2037 hours.

W9NW, Secretary

### Attention Participating Clubs

Please send your club's information for publication **NO LATER** than five days after your club's meeting. If minutes or other material are not received promptly, we cannot guarantee timely publication. We work hard to keep our end of the deal, and we must depend on you to do yours. Thanks!



# Wisconsin Nets Association Ltd.

Jim Merrill, W9AYK, Secretary • W283 Hillendale Drive  
Oconomowoc, WI 53066

## WISCONSIN NETS

Net	WNA	Freq.	UTC	CDT	Mgr.
BWN	Yes	3985	1100	0600	W9AYK
BEN	Yes	3985	1700	1200	KE9VU
WSBN	Yes	3985	2230	1730	K9UTQ
WNN	Yes	3723	2300	1800	N9MXW
WSSN	Yes	3645	2330	1830	N9BDL
WIN/E	Yes	3662	0000	1900	WB9ICH
WIN/L	Yes	3662	0300	2200	W9UW
NWTN	Yes	34/94	2330	1830	NS9Q
(Rhinelander area)					
RCRA	No	01/61	2330	1830	KA9OMC
(Mondays CST) (Menomonie Area)					
Gr. Bay	No	72/12	0145	2045	WB9NRK
(Green Bay Area)					
ARES	No	4.65/5.25	0100	2000	
(South East/South Central Wisconsin)					
RACES	No	3993.5	1300	0800	WA9OAY
(LSB Sunday)					

### WISCONSIN NTS TRAFFIC REPORT

August 1996

My apologies for not having a report last month. I was out of the state and did not get back in time to get a report out in timely fashion.

Both traffic and checkins were up in August. Traffic just slightly and checkins substantially. Conditions are fairly good now but with the days growing shorter the evening nets will experience difficulty in the near future.

With seven of eight nets reporting, 3698 stations passed 2437 pieces of traffic in August. The Badger Weather Net (N/M W9AYK) reported 1602 stations and 2095 messages passed. The Badger Emergency Net (N/M KE9VU) reported 704/111 messages passed. The Wisconsin Sideband Net (N/M K9UTQ) reported 592/84. No report received from Wisconsin Novice Net manager N9MXW. The Wisconsin Slow Speed Net (N/M N9BDL) reported 212/15. The Wisconsin Interstate Net/Early (N/M WB9ICH) reported 236/56. The Wisconsin Interstate Net/Late (N/M W9UW) reported 211/54. The Northwoods Traffic Net (N/M NS9Q) reported 141/22.

In August, eight stations reported traffic totals in excess of 100, three of whom made Brass Pounders League. The stations are: W9AYK/1834 (BPL), WB9-

JSW/903 (BPL), W9IHW/634 (BPL), K9DHR/207, W9CBE/204, K9FHI/116, N9KHD/116 and N9BDL/100.

Thirty stations submitted Station Activity Reports and eleven stations submitted Public Service Honor Roll reports.

My thanks to Hale Blakely, W9CBE, Assistant STM, for handling the reports last month when I was on a trip.

I mail my reports to League Headquarters on the 7th of the month. That makes the deadline for reports the 6th. I can accept reports until I start printing them up for mailing. If you can catch me on the BWN on the morning of the 7th all would be well.

Hale Blakely, W9CBE, Asst. STM will also accept reports and forward them to me. Hale covers most of the CW and SSB nets so there is someone on almost every net to take reports.

Reports can also be sent via packet. My packet address is:

KA9KLZ @ NX9V.WI.USA.NOAM

Thanks to all stations who participate in the Wisconsin nets. You are the nets and Wisconsin nets are the best. 73.

Submitted by:

Arthur A. Evans, KA9KLZ  
Wisconsin Section Traffic Manager  
September 11, 1996

### Yellow Thunder Amateur Radio Club

WB9FDZ (Original Club Call)  
K9ODK (Robert L. Prine Memorial Call)

Raymond J. Matlosz, N9MLZ, Secretary  
450 West 2nd Street • Reedsburg, WI 53959

The September 12, 1996 meeting of the Yellow Thunder Amateur Radio Club, Inc., was called to order by club president, Steve Shulze, N9UDO, at 7:55 p.m. following a fox hunt.

The minutes of the August 14, 1996 meeting, as published in the BSSS, were accepted. Jim Decker, WB9UQT, gave the financial report.

#### OLD BUSINESS

Steve Shulze reported on some insurance quotes for a hamfest that the club is thinking about holding on August 9, 1997 in Baraboo. Steve is waiting for a quote from ARRL.

#### NEW BUSINESS

Jim Paul, N9LKY, Foxmaster, reported on the results of this evenings fox hunt. The team of Bill and Anne Klinkner along with Raymond Matlosz drove four miles o find one of the three foxes. The team of Dominic Bianco, KA9QFT, and John P. McDonough Jr., KB9HTT, found the same fox after driving 7 miles. The

foxmaster reported all the other teams "got skunked".

Hamfest Minnesota and Computer Expo along the club one free admission ticket along with information concerning their hamfest.

Club members discussed classes in February and the Christmas party in December.

Bill Hommel, KA9QFJ, not realizing he was club VP, and could delegate, readily volunteered to look into finding a location for the party. Jim Paul volunteered to give a program next month on Amateur Microwave.

Buck night was won by Kent Ebneter. K9EN, who was not present.

Meeting adjourned at 8:37 p.m.

The next meeting will be held Tuesday October 15, 1996 at 7:30 p.m. in room 14 at the Baraboo Civic Center. The program following the business meeting will be on Amateur Microwave.

Sincerely,  
Raymond J. Matlosz, N9MLZ, Secretary

# Wisconsin Valley Radio Association

Paul Neubauer, N9IOG, Secretary

P.O. Box 363 • Wausau, WI 54402

Six Meter Repeater: 51.74 Input/51.24 Output

### MEETING MINUTES September 3, 1996

The meeting was called to order at 7:30 p.m. Present were: N9SDI, KB9DED, N9IOG, N9OWD, N9SDL, N9LIA, N9PHC, N9NMH, KB9FRB, KB9DZG, N9TTA, WB9LAI, KB9CKR, N9IAB, N9MEA, K9JXW, KC9NW.

The minutes for August were accepted as published with a motion by KB9DED and second by KB9DZG. The treasurer's report was given by N9IAB: we're solvent. The report was accepted after a motion by N9SDL and second by N9LIA.

Mark Rasmussen, N9MEA, mentioned that Halloween is coming and that REACT would appreciate a help with the annual Halloween patrol. More information will be available at the October WVRA meeting.

Jack Klein, N9LIA, is looking for volunteers to help with the Special Olympics Bowling Tournament on October 19. He is looking for 6 to 8 people, ideally 4 for the morning and 4 for the afternoon.

The WVRA tax exempt status is again moving forward as the latest letters of incorporation were finally found and the accountant said that is the final piece of information he needs. There may still be questions from the state, but that is expected.

After some discussion a motion to replace the current 6 meter repeater with a pair of Micors was made by KB9DED and seconded by N9SDL. The motion passed. New replacement tubes for the old repeater would cost about \$550 to \$600 while replacement, including a new controller, would cost \$600 to \$680.

According to the Marathon County Public Library they have ordered new books on Amateur Radio. We don't know which books were ordered, but we should

be informed when the new books are added to the libraries collection.

Copies of the WVRA mission statement and a tentative calendar were passed out for those who wanted them.

Rich Maier, KC9NW, the Marathon County Emergency Government Coordinator will be meeting with KB9DED, among others, to work out what an ARES group would be asked to do and what training would be available for this. The ARES group would not be a WVRA project, but an organization of hams for emergency preparedness.

Phil Neubauer, KB9DZG, brought the idea of WVRA sponsoring the RAIN report on the Wednesday night net on the 146.64 and 224.64 repeaters. Al Lippert, KA9PML, has been providing this service largely out of his own pocket. KB9DZG will look in to this, while N9IAB will see if the RAIN report can be downloaded from the internet.

Tony Hermanek is setting up a station at the Merrill Senior High School. He could use coaxial cable and antenna wire as the cabling and antenna there had been cut during some building renovations. Also he may be looking for 6146 tubes.

The meeting adjourned at 8:17 p.m. after a motion by N9LIA and second by N9IAB passed.

K9JXW then gave a program about HF operating in general. Future programs may deal with the specifics of various HF operations depending on the interest in them.

### Previews of Coming Attractions

The October 1 meeting will be at 7:00 p.m. (YES, 7:00 p.m., a half hour early) so the annual WVRA auction can begin after a short meeting. □

## Taylor County Area Amateur Radio Club

Mike Schoenfuss, N9GHZ, Secretary

P. O. Box 401 • Abbotsford, WI 54405-0401

### MEETING ANNOUNCEMENT

The next regular meeting will be held on Thursday, October 3rd at 7 p.m. in the Emergency Government meeting room located in the basement of the sheriff's annex to the Taylor County Courthouse, corner of 2nd and Ogden Sts., Medford, WI. Talk-in on the 147.15 MHz repeater (+600 kHz) or 146.52 MHz simplex.

NOTE: Club secretary N9GHZ will be unable to attend this meeting. It is requested that someone in attendance direct the meeting minutes and IMMEDIATELY mail them to N9GHZ, so that they can be typed up and submitted to *Badger State Smoke Signals* in time to make the publishing deadline. Thank you!

### EXCERPTS FROM MINUTES OF SEPTEMBER 5, 1996 MEETING

Meeting was called to order by President N9GEN. Present were KE4FE, N9UBQ, N9GHZ, N9UBR, N9GEN, AA9LE and W9QHI. Minutes of the August 1, 1996 meeting were read by Secretary N9GHZ, and accepted as read. Treasurer's report was presented by Treasurer KA9-WDX.

Motion by KE4FE, seconded by W9-QHI, to reimburse N9GHZ in the amount of \$55.94 for miscellaneous expenses incurred on behalf of the club. Motion carried. These expenses included get well and sympathy cards for club members, postage, batteries for the DTMF touch-tone pad for programming the repeater controller, postage for mailing out the new autopatch codes to all members, and the purchase of an Amateur Radio publication for donation to an area library.

N9GHZ discussed the status of the club's 2-meter repeater. He had recently discovered that he was unable to access the repeater controller via the telephone line for programming purposes. This required a trip to the repeater site, where the controller could be programmed on-site.

Upon arriving at the site, he found that the 7.5-volt battery required to power the DTMF touch tone pad used to program the controller was dead, and 2 replacement batteries had to be purchased. After that, the controller was reprogrammed to allow for remote access of the controller via the telephone line. This was immediately tested to ensure it was working.

At that time, the new autopatch access and disconnect codes were also pro-

Continued on page 11

The following members were present:

Steve Schulze, N9UDO, Baraboo  
Peter Sweeney, WD9JIB, Reedsburg  
Jim Decker, WB9UQT, Baraboo  
Bill Klinkner, N9KXX, Sauk City  
Anne Klinkner, N9PQL, Sauk City  
Raymond Matlosz, N9MLZ, Reedsburg  
Domenic Bianco, KA9QFK, Reedsburg

John P. McDonough Jr., KB9HTT, Reedsburg  
Shiela Baker, none, La Valle  
Bob Baker, KB9LAZ, La Valle  
Bill Hommel, KA9QFJ, Baraboo  
George G. Gabay, N9QQR, New Lisbon  
Leonard Wagner, N9XJG, Baraboo  
Thomas Harrison, N9PQJ, Reedsburg  
Jim Paul, N9LKY, Baraboo □



## Taylor County Area Amateur Radio Club

Continued from page 10

grammed, and a mailing containing the new codes was sent out to all current members by N9GHZ a few days later. A copy of the club's new Amateur Radio club license was placed in the repeater cabinet, and the repeater ID'er was changed to reflect the new callsign, KB9OBX. The original license is now on file with the club's records in the filing cabinet at the Taylor County Courthouse. N9GHZ will also send a copy of all the new and/or modified controller codes and parameters to Northway Communications in Wausau, for their reference.

While at the repeater site, N9GHZ discovered that the new radio paging transmitter had been installed in the tower shed. It was later learned that this was accomplished during the first week of August. The club's 2-meter repeater and the paging transmitter are now sharing a common antenna, and a common, 12-cavity duplexer. The club's 4-cavity duplexer remains housed in the repeater cabinet, and the Hustler Model G7-144 7dB gain antenna was disassembled and placed in the tower shed adjacent to our repeater cabinet.

The paging service transmitter is located in a cabinet which is presently sitting on top of the club's 2-meter repeater cabinet. It is being operated by Business Service Center, Inc., out of Wausau, Wis. The transmitter output power is 250 watts with an ERP of 500 watts. N9GHZ reported that there is now a second business service radio paging transmitter located in the tower shed. This one is owned and operated by Vital Communications out of Marshfield, Wis. The transmitter output

power is 350 watts with an ERP of 700 watts. Also, there is now a window-style model air conditioner located in the tower shed, to better regulate the temperature in the shed during the summer months.

N9GHZ indicated that there is some additional routine maintenance work to be done at the repeater site. The lower front metal panel of the repeater cabinet, covering the section where the duplexer and emergency power battery are located, does not fit properly and the holes will need to be re-drilled. Also, the panel is scratched up and needs to be repainted. The floor and other areas of the tower shed are dusty and full of cobwebs and need to be swept or vacuumed. Finally, the Velcro strips that hold the repeater controller in place inside the cabinet need to be replaced. AA9LE, N9UBR and W9QHI volunteered to handle the above tasks, with the exception of the Velcro strips, which N9GHZ will take care of.

The ability to shut the repeater down remotely, and bring it back up again, in the event of tampering or illegal use was discussed. N9GHZ advised that codes were available to accomplish this, and that it could be done over the telephone line. It would simply be a matter of testing the codes to make sure they work, and then making them available.

There was some discussion as to who should be given these codes. The consensus of the membership present was to limit the number of individuals having these codes, and that the codes should be provided to the following: 1) all current club officers; 2) the current repeater trustee (N9GHZ); 3) N9UBQ, Emergency Government Coordinator for Taylor County, which technically owns the repeater hardware; and 4) up to no more than two additional current club members who reside within a few miles of the repeater site and who are able to monitor the repeater on a regular basis. W9QHI was

selected to be given the codes based on the fourth criteria. N9GHZ will get the codes tested, a documentation sheet typed up and printed, and distributed to the above individuals in the near future.

N9GHZ reported that AA9LE and himself delivered the "Now You're Talking! All You Need To Get Your First Ham Radio License" study guide to the Western Taylor County Public Library in Gilman on August 5th. The book was turned over to assistant librarian Barb Goebel, and AA9LE took a photograph which appeared, along with a caption, in the August 21 edition of "The Star News", the weekly newspaper serving Taylor County. The book was donated to the library by the club in memory of silent key Ray Gajda, N9IDW, of Lublin, a member of the club who passed away on May 18th at the age of 71.

N9GHZ reported on the status of planning for the upcoming club-sponsored VE Amateur Radio license exam session planned for Medford on October 12th. A news release was sent to Badger State Smoke Signals for publishing in the September and October issues. A letter was also sent out to all Taylor County area Volunteer Examiners requesting their assistance with the test session. So far, it appears the following VE's will be able to participate: N9GEN, KA9WDX, NZ9U, N9GHZ, and AA9LE. Reservation of the exam location, at the Taylor County Courthouse, was confirmed by N9UBQ. KE4FE will take care of uploading the information to the statewide packet BBS network.

N9GHZ passed around an announcement of the exams to all members present and requested that they make the announcement on any 2-meter nets they check into between now and the test date. N9GHZ will also send a news release to local area newspapers in the near future, and complete and send in the "Session

Registration/Request For Test Materials" form to the ARRL. The members present also directed N9GHZ to arrange for refreshments to be available at the test session.

N9GHZ passed out various handouts to the members present, as well as passed around some correspondence recently received.

Meeting was adjourned.

## CLARK/TAYLOR COUNTY AMATEUR RADIO EMERGENCY SERVICE (ARES) NEWS

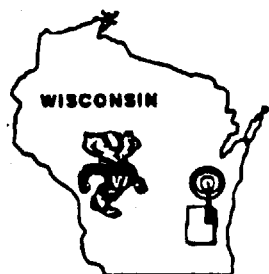
Mike Schoenfuss, N9GHZ  
ARES Emergency Coordinator

Don't forget to try to check into the weekly ARES net held Wednesdays at 8:30 p.m. on the Medford repeater (147.75/147.15). If the repeater is down or not functioning properly, alternate frequencies, in order, are 147.15 MHz simplex and 146.52 MHz simplex. You're also encouraged to volunteer for net control duty for the net.

## CONGRATULATIONS TO..

☆Jessica Winzenried, KB9AMX, Colby, who was among the highest-achieving members of the freshman class at the University of Wisconsin-Stevens Point during the 1995-96 school year, to be inducted into the campus chapter of Phi Eta Sigma national honor society. She is the daughter of Marc Winzenried, WA9ZCO, Abbotsford.

☆Clyde Lundgren, N9LHY, Sheldon, and Debbie Taylor, who were united in marriage on September 21st, 1996. □



## Washington County Amateur Radio Club

Tom Waldschmidt, N9LZW,  
Secretary  
465 Elder Lane  
Allenton, WI 53002-9799



Club Repeater: 146.73 MHz

## MEETING MINUTES SEPTEMBER 12, 1996

The September 12, 1996 membership meeting of the Washington County Amateur Radio Club was called to order at 7:31 P.M. by President Walt Gossfeld, N9LLS. There were 19 members in attendance.

The minutes of the August membership meeting were read by Secretary Tom, N9LZW. There was a motion by Don, K9GR, seconded by Jim, KB9LTW, to approve the minutes as read. Motion carried.

The Treasurer's report was read by Treasurer Dave, KA9RNU. There was a motion by Sherm, W9NGT, seconded by Gary, W9XT, to accept the Treasurer's report. Motion carried.

## Repeater Committee Report

A Repeater Committee Report was given by Don, K9GR. Don explained that the repeater was out of service recently because of a defective capacitor in the power supply. The defective capacitor was identified and replaced by Maury, W9MQD. Don said that he will be going to the swapfest in Grayslake and will be looking for backup parts for the repeater.

Don also said he is looking for a service monitor so some more tweaking of the repeater can be done. Sherm said he knew of one that might be available in the near future.

## ARES Report

An ARES report was given by Walt, N9LLS. Walt explained that he had completed the phone tree and was handing out copies. He will try to update it yearly. Walt said he is planning to use the phone tree with this year's SET (simulated emergency test) sometime in October. After being called up using the phone tree, all operators will check into a net on the repeater and some operators will be assigned to the Emergency Government

office to operate the station there.

Sherm, W9NGT, reported that the Hartford emergency warning system may be confusing for people if they are unfamiliar with it or do not listen carefully. The city of Hartford is sounding the sirens with a three minute warning and then later using a one minute all clear signal. People may mistake the second signal as a warning or an actual second warning could be mistaken for an all clear.

## OLD BUSINESS

President Walt, N9LLS, mentioned that one item of old business was that we are still looking for a program chairman. Gary, W9XT confirmed that the speaker for the October meeting will be Paul Hellenberg, KS9K, of Racine.

Rip reported that the club's battery that was suspected of needing replacement was found to be low on water. After adding distilled water, the battery seems to be working well.

## NEW BUSINESS

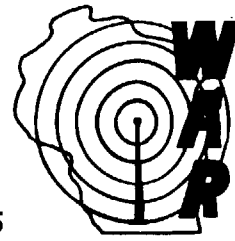
Sherman, W9NGT, stated that anyone having Inquiry or Welfare traffic related to the recent hurricanes should route that traffic through the regular traffic nets. The NTS nets have liaisons assigned to handle that traffic.

Neal, WA9WYI, reported that he is having difficulty hearing the repeater in the Germantown area. He recommended that the club consider a new repeater, such as the Hamtronics model. Neal also recommended that the club sponsor a table at area hamfests so that members can donate items to raise money for the benefit of the club.

Sherm, W9NGT, said that there is no better equipment than what we are presently using for the repeater. Members suggested that the problem may be with the terrain in the Germantown area. Don, K9GR, said that he intends to do some

## Wisconsin Association of Repeaters

Mark Heimmermann, KF9CS, Secretary  
1523 E. Moonbeam Tr. • Appleton, WI 54915



## September 1996 Meeting Minutes

The meeting was held at Chalet Motel Restaurant in Mequon. The meeting was called to order by the chairman, Nels Harvey, WA9JOB, at 1:00 p.m.

Introductions of guests and members:

## NAME AND CALL

Mark Heimmermann	KF9CS
Bill Niemuth	KB9ENO
Dave Barrow	N9UNR
Nels Harvey	WA9JOB
Bob Schmidt	N9GMT
Kevin Oleniczak	N9JPG
Dave Karr	KA9FUR
Jack McLeland	W9ATK
Tom Oehler	WB9LNL
Greg Wolfe	WL7LI
Ray Vollrath	WD9HOD
Jim Albrinck	KA9QLP
Ron Crown	KA9JCP
Gerald Proft	N9NGI
Virgil Burmeister	WB9MHS
Steve Palm	N9YTY
Patrick C. Riordan	N9LKH
Dave Knaus	WA9POV
Ray Meyer	N9PBY
Rick McGaver	NK9G

The minutes of the previous meeting were accepted as printed.

## Treasurer's Report

The current balance in the savings account is \$1211.72 with \$99.53 in cash on hand plus some stamps. So the WAR net worth is \$1311.25 plus the stamps.

## Newsletter Report

I just thought I'd thank Dave, N9UNR, for the listing of political resources. I put it on a slip of paper and always keep it handy and refer to it.

## Coordination Report

I am officially announcing a bounty system. If you need a repeater pair and I tell you that there are none available you are welcome to find a repeater pair that has been assigned and is on the listing that

is not operational and if I confirm that it's not operational you're first on the list to get it. Secondly, I have been putting together an InterNet listing of InterNet addresses. Anybody is welcome to get on that mailing list.

The next item is blanks on the forms. I just today got three more little hand scribbled notes which I have been having a very difficult time in reading. They say everything's the same as last year. Well, that doesn't cut it because things do change and some of the information in the database is incorrect. So PLEASE fill in all sections. If you have an E-mail address for instance and you don't want to be on my mailing listing, just make a note "NOT FOR DISTRIBUTION".

## Chairman's Report

I have spent a great deal of time discussing in person and over e-mail with the technical director for Illinois, Mike McCarthy. We are working on a mutual agreement for the minimum mileage between repeaters in congested areas. I hope to have something together by the time of our next meeting. I want to assure everybody that yes we will be doing some short spacing in Wisconsin. We've agreed to it. We're going to attempt to not harm somebody with a viable system but I'm looking at some of these repeaters that are paper repeaters and that sort of thing and if they're not there why not use the frequency to get coverage.

I've mentioned in the newsletter the National Frequency Coordination Council. The goals of the NFCC are primarily to be a single point of contact to the FCC regarding coordination matters and secondly the goal is to be kind of a focal point for groups such as WAR and like the Mid-America Coordination Council the NFCC also will extend authority to these regional coordination groups such as WAR so we know where we stand in relation to the rest of the nation. We are in touch with coordinators virtually around the country and the InterNet the place to be and we can deal with national matters now

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## Mancorad Radio Club

John Meyer, NZ9Z, Secretary

P.O. Box 204 • Manitowoc, WI  
54221-0204



**2-Meter Repeater: 146.01 Input/146.61 Output**

### MEETING MINUTES September 11, 1996

The September meeting of the ManCoRad Club was called to order at 7:32 PM by club president Red, N9GHE. Red started the meeting by showing the new club banner. This very sharp-looking banner will be used at club events.

The minutes of the May meeting were approved as printed in the *Badger State Smoke Signals*. The Treasurer's report was read by Glenn, AA9MT, and approved. Red, Glenn and your Secretary worked together on interpreting the financial statement from the hamfest -- this one was our most successful. Thanks to everyone who helped to make it so!

Red stated that Wayne Frank from Motorola will be checking out the club repeater and will install the PL board.

Ron, WS9X, noted that there is a new addition to the county's repeater building. It has been much enlarged, and now houses an emergency generator. The building now also has air conditioning. Ron also has a new Macro list for the repeater which he distributed at the meeting. There are several new commands. Anyone wishing a copy, please contact Ron.

A number of new members were present, so Red asked everyone to introduce themselves. Red then read the applications for several new members.

Len, N9QFO, gave a short presentation, showing the travelling case he build for his HT. It includes space for the HT, a scanner, battery and charger, rubber ducks and a twinlead dipole, and several repeater directories. He says it really helps on trips, as he is able to find the gear when he needs it!

Glenn talked about his new 40-80-160 trap dipole which features homebrew traps.

Eric, WD9IAB, reported on the USS Cobia Sub Event. Eight members helped out and made about 140 QSO'S. They ran into a fair amount of QRM from the North American QSO Party, which ran concurrently with the Sub Event this year. It was noted that we watch out for such competition in planning next year's event. A good time was still had by all.

Red noted that next month's meeting will feature the appointment of the Elec-

tions Committee, with elections for the next year's officers being held at the November meeting.

Ron mentioned that he plans to hold computer classes again this January over a two-week period.

Clancy, K9WIX (ex-KB9ECW) asked, as the local RACES coordinator, for the use of the club's TNC, a power supply, and a 2-Meter rig for the Emergency Government EOC. This is not a donation, he added -- it is being borrowed for RACES use. Red made a motion to let RACES use the club's Kenwood mobile rig, one power supply, and the MFJ TNC indefinitely, with the provision that the equipment be returned to ManCoRad if and when RACES has no further need for it. Ron seconded the motion which then passed unanimously. Glenn added that the equipment should be prominently marked as ManCoRad's. (Ed. - Congrats, Clancy, at getting your old call back!)

The meeting adjourned at 8:10 PM.

Submitted for approval:  
John Meyer, NZ9Z, Secretary

### MEETING ATTENDANCE

Glenn	AA9MT
John	NZ9Z
Red	N9GHE
Eric	WD9IAB
Oran	N9VIA
Lyle	WB9VTM
Gene	KB9KXF
Ken	K9HAG
Theresa	KB9KXE
Mary	KB9GOY
Janice	N9IQZ
Robn	ws9x
Ken	WB9OBX
Vic	WB9VYO
Clancy	K9WIX
Bob	KB9INK
Roger	W9NPX
Denise	N4WGX
Chuch	N9WUN
Len	N9QFO
Paul	N9QFX
Bill	K9DUX
Fred	W6BSF
Patti	KB9NNX
Julie	N9PZX
James	KB9GOX

## Washington County Amateur Radio Club

*Continued from page 11*

additional tweaking on the repeater and that may help the problem some.

There was also some discussion about adding PL to the repeater. There are plans to transmit PL so that those with decode capability can make use of it, however, at this time there are no plans to require PL for access to it. Don, K9GR, said he will be learning more about a hybrid PL system that he has heard about.

Jim, KB9LTW, mentioned that Kenwood has a newsletter that clubs can request on club letterhead. Jim, will look into ordering this newsletter after obtaining the letterhead from Don, K9GR.

There was a motion by Sherm, W9-NGT, seconded by Bob, KG9CW, to adjourn the meeting. Motion carried.

*Respectfully submitted:*

*Tom, N9LZW, Secretary*

Following the meeting members were treated to a program on Slow Scan TV by Larry, WB9BVB. Larry had his computer along and in addition to showing some SSTV pictures, demonstrated some Inter-Net capabilities including access to the club's new home page.

### BREAKFAST SCHEDULE

Washington County ARC members meet for breakfast most Saturday mornings at varying restaurants around the county. Guests are always welcome. Larry, WB9-BVB, gives us the following schedule for the month of October:

10/05/96 9:00 A.M. Mineshaft in Hartford  
10/12/96 9:00 A.M. Slinger Inn in Slinger  
10/19/96 9:00 A.M. Jimmy's in Jackson  
10/26/96 9:00 A.M. Corfu in Richfield

## Wisconsin Association of Repeaters

*Continued from page 11*

and the basic premise of this thing is The ARRL is going to help with infrastructure support; secretarial service, that sort of thing and that is their contribution to the frequency coordination.

They will not have anything to do with decision making or policy making.

### Old Business

None.

### New Business

The next meeting we will have to have a nomination committee. A nomination committee for our annual elections which are held on the second Saturday in March of every year. All the officers serve one year terms.

We would like to see some competition for these positions.

Illinois is very anxious to establish a

Snapper frequency. It's a coordinated, nonprotected frequency on 442.125. There are good reasons to establish a Snapper frequency in Wisconsin where applicable and make it available, especially in the southeast corridor.

There are three things that we can do on the Illinois Snapper situation. 1) We can go along with it and say yes it's okay and expect that frequency to disappear from availability in southeastern Wisconsin. 2) We can adopt that same frequency here in Wisconsin where applicable, which would not be in the western part of the state because Iowa and Minnesota have not adopted this although Minnesota wants to do something along this line. 3) We can say no, you can't do that, you can do whatever you want in your state as long as you don't encroach on any of our guys and these are our three decisions. We have to come to a reasonable understanding on that.

The next meeting will be December 14, 1996 somewhere in Oshkosh. Bill Niemuth will make the arrangements.

The meeting was adjourned at 2:10 p.m.

*Respectfully submitted,  
Mark Heimmermann, KF9CS, Secretary*

## Text of Feingold's RFI Bill

*Continued from page 13*

2

- 1 for use by a CB radio station pursuant to Commission
- 2 rules, the State, county, municipal, or other local govern-
- 3 ment shall not be preempted from exercising its police
- 4 powers to resolve the interference by prohibiting the use
- 5 of such unauthorized equipment or by imposing fines or
- 6 other monetary sanctions. For purpose of this subsection,
- 7 home electronic equipment includes, but is not limited to,
- 8 television receivers, radio receivers, stereo components or
- 9 systems, video cassette recorders, audio recorders, loud
- 10 speakers, telephone equipment and other electronic devices
- 11 normally used in the home. Any action taken by the State,
- 12 county, municipal, or local government shall not preclude
- 13 concurrent action by the Commission. Nothing in this sub-
- 14 section shall be construed to diminish the Commission's
- 15 exclusive jurisdiction over radio frequency interference in
- 16 any matter outside the scope of this subsection."

## Red Cedar Repeater Association, Inc.

Steve Hart, KA9OMC, Secretary

E616 810th Avenue

Knapp, WI 54749

**2-Meter Repeater: 146.01 Input/146.61 Output**

Greetings, RCRA sponsors and guests.

The next meeting of RCRA will be October 22 at the Peppermill Too in the L-Mart shopping center, 1414 9th Street, Menomonie. Meeting time is 7:30 p.m.

Todd, KB9NGE, reports that he is now an uncle.

Scott, KB9NIR, made his first on-air contacts during the Tin-Man in Menomonie. Scott also planted a garden this year in 24 4 x 4 plots, and reports a pretty good harvest at Cedar Falls.

Dan, N9HME, found good fishing this summer in the New Auburn area.

Jeff, KB9MMT, continues to enter daughter Lissa in area beauty contests. Jeff reports 160 visitors to the RCRA Web page.

Ed, NQ9X, has a Winwriter 150C printer for sale. Write Ed Van Sickle, W17474 Guse Road, Whitehall, WI 54773-9666.

Melvin, KB9AGC, has brought in a large collection of food labels for credit at Doug's Super Fair Foods through our non-

profit club. Save the UPC bar code from HomeStead, Shurefine, and Shurefresh brand foods and give the labels to Arlene, KF9CU. RCRA receives 3 cents on each label.

Please disregard any notices of renewal to *Smoke Signals* that you may receive from Ken Ebner at *Smoke Signals*. RCRA tracks your renewals and we alone will inform you of the renewal schedule.

For those of you who receive *Smoke Signals* through RCRA, it is time now to send your subscription dues of \$10 and your pledge for 1997 repeater support. We suggest \$15 a year support per individual or \$20 per household. Don't forget to add the \$10 for BSSS if you wish to receive *Smoke Signals*, and send it all to the RCRA Secretary/Treasurer.

*Steve Hart, KA9OMC  
Secretary/Treasurer RCRA*



## Quarter Century Wireless Association Southeastern Wisconsin Chapter 162

Larry McCalvy, WA9JMO  
5400 Six Mile Road  
Racine, WI 53402



Members of QCWA Southeastern Wisconsin Chapter 162 who attended the chapter's annual August picnic are shown in this photo. In front with dogs is Larry McCalvy, WA9JMO. Second row, seated: Mike, WV7T; Steve, K9ZL; Al, W9HR; Spence, W9LDH; Art, KB9DJN. Third row: Rhoda, KB2BZY; Chuck, W9GKM; Bill, W9ERG. In back: Ken, N9NBC; Herb, W9PHJ; Bill, W9OVZ; Bob, W0WLN, and Ed, W9NVK.

Photo courtesy Larry McCalvy/WA9JMO

The officers and members of Chapter 162, would like to extend a warm welcome to our three new members, Rhoda Anderson, KB2BZY; Mike Anderson, WV7T; and Dave Weingart, AA9PK. All three were present at our September meeting, to meet with, and participate in the group round table discussion of upcoming events. Rhoda and Mike received their QCWA Chapter identification badges.

The Chapter agreed to purchase 40 feet of masting in 5-foot sections along with guy ropes and stakes. It looks like the club is gearing up for some big time Field Day 1997 activities. We are also considering several QRP transceiver; more fun, more points.

October marks our annual meeting with the election of four members of our seven person Board and a grand social outing that the Chapter picks up the tab. The nomination committee, made up of Chuck Knotek, W9GKM; Herb Ladwig, W9PHJ; and Spence Clope, W9LDH, presented the following slate of candidates for our consideration; K9AAL, George Pagels; WB9IJY, Bob Burgermeister, WA9JMO, Larry McCalvy; Spence Clope, W9LDH; W9NVK, Ed Konicek; WA0-PFV, Rev. Jim McChesney; and K9ZL, Steve Bellgraph. The meeting will be held at The Fireside Restaurant and Lounge, 2801 30th Avenue in Kenosha, on Sunday, the 20th of October, beginning at 1 p.m. The menu choices include Orange Roughy, Half Chicken Broasted, Chopped Steak and Pork Chops. A reminder card will be sent to all members not checking in on the weekly net. Please contact our Treasurer, Bob Jensen, W0WLN, on the air or at 886-8551 as to your's and your guest's meal selection. Hope to see all of you

there!

Our grand leader, Ken Knoff, N9NBC, has appointed a selection committee, to determine who will be the recipient of our 1996 Olie Fox Award of Excellence. The committee, with Steve Bellgraph, K9ZL, as chair, also includes Bob Burgermeister, WB9IJY; Fern Fisher, W9LCJ; and Mike Anderson, WV7T. To aid in this endeavor, the committee needs our input. The committee requires, in writing, and with a great amount of detail, your reasons for nominating an individual for this recognition. The recipient must meet the following requirements: a) have first been licensed at least 25 years prior to receiving the award; b) currently licensed, c) currently residing in the Greater Southeastern Wisconsin Area (this includes Northeastern Illinois); and d) has or is contributing meaningfully to Amateur Radio and the community.

On Sunday, the 22nd of September, Bob (W0WLN) and Gladys Jensen celebrated their Golden Wedding Anniversary at an afternoon gala buffet with loved ones, family and friends. Congratulations, Bob and Gladys, and best wishes for many more anniversaries to come.

At this writing, Bruce Zabler, K9RRS, is in St. Mary's Hospital, Room 264, 3801 Spring Street, Racine, WI 53406, under going a battery of tests in an attempt to determine what has caused his overall health to deteriorate to it's present condition. A cause has not been identified, or if it has, I am unaware of what it might be. All the best to you Bruce, we all hope to hear you back on the air in the very near future.

73, Larry McCalvy, WA9JMO

## From the Editor: PRB-1

In discussing the proposed bills to codify PRB-1 as Wisconsin law an issue or two ago, we forgot to mention one individual who also worked toward that goal. And we couldn't have a worse omission: we forgot Verne Teske, ARRL Wisconsin Section State Government Liaison. Sorry, Verne.

The bill failed for two reasons: (1) A last-minute amendment made the Senate version no longer a companion bill to AB 900, the Assembly version. Both originally had identical language. (2) Apathy, pure and simple. Not enough Wisconsin amateurs took the ten minutes needed to communicate their support to their State Representative and Senator. If Wisconsin amateurs want this added protection for their towers, they are going to have to become pro-active. Better than to find an anti-tower bill has been passed, and then have to be re-active to try to have it removed from the books or to get an exemption added, right? When the legislature meets in January, there may be another effort to get PRB-1 codified in Wisconsin. Will there be enough amateur support? Considering our last effort, I'd make about the same bet as on the Green Bay Packers beating the Minnesota Vikings in the Metrodome. Please make me lose that bet.

Codifying PRB-1 as state law still won't solve all tower problems, but it would certainly help.

Jim Romelfanger, K9ZZ



## SHEBOYGAN County Amateur Radio Club

Chris Jacobs, N9VKC, Secretary  
W4065 Dekker Rd., Waldo, WI 53093

I'd like to start off this month with a big thank you to everyone who attended the September meeting. It was a big success thanks to the efforts of Jim and Ruth Daniels. Food was great and so was the company.. We also had since last I wrote in the Old Plank Trail Ride. Art Pahr was the director for that event and, I'm sure I can pass along his thanks to all those who showed up in the cold rain to help out.

My computer has been down for just about a week and I'm rushing to get this in by press time, so all will have to forgive

me if I miss anything.

The next meeting for the SCARC is October 8th at the Red Cross Building in Sheboygan. All members, along with anyone interested in becoming a member, or just curious about the club, are invited to attend.

A reminder that the first Monday of every month is swap night, so if you have any items you are looking to sell or trade, that Monday is the night to join in on our regular 2 meter net at 7 p.m., 147.060, PL 107.3 73.

## Text of Feingold's RFI bill

As related in our September issue, and strongly editorialized against by BSSS, U.S. Senator Russ Feingold (D-WI) has introduced a bill to give all local governmental entities authority to enforce federal law against overpower CB operators. It remains our opinion that this is bad and defective law. **And a bad law is much worse than no law at all.** Read our September editorial, and please excuse the typos. The bill is reproduced in the two boxes below.

104TH CONGRESS  
2D SESSION

# S. 2025

To amend the Communications Act of 1934 to authorize the States to regulate interference with radio frequencies.

IN THE SENATE OF THE UNITED STATES

AUGUST 2, 1996

Mr. FEINGOLD introduced the following bill; which was read twice and referred to the Committee on Commerce, Science, and Transportation

## A BILL

To amend the Communications Act of 1934 to authorize the States to regulate interference with radio frequencies.

- 1 *Be it enacted by the Senate and House of Representa-*
- 2 *tives of the United States of America in Congress assembled,*
- 3 **SECTION 1. AUTHORITY OF STATES TO REGULATE RADIO**
- 4 **FREQUENCY INTERFERENCE.**
- 5 Section 302 of the Communications Act of 1934 (47
- 6 U.S.C. 302) is amended by adding at the end the follow-
- 7 ing:
- 8 “(e) Where radio frequency interference to home elec-
- 9 tronic equipment is caused by a CB radio station through
- 10 the use of a transmitter or amplifier that is not authorized

Continued on page 12



**SSB**  
SELL SWAP BUY

OUR WANT ADS GET RESULTS

FOR SALE: MFJ-945D 300W antenna tuner, cross-needle, \$50.00. Kantronics KAM Plus w/Host Master 64, \$185.00. Robot 800H terminal, RTTY, ASCII, CW, and characters for slow scan, \$80.00. Herman J. Ludvik,

W9HJV, La Crosse, WI 54601. (608) 782-2029.

THERE IS NO CHARGE for listing non-commercial ads in Sell, Swap, Buy. You may send your ad (readable, please!) to either Ken Ebner, K9EN, 822 Wauona Trail, Portage, WI 53901, or Jim Romelfanger, K9ZZ, 412½ Ash Street, Baraboo, WI 53913.



# THE WISCONSIN PACKETEER

Wisconsin Amateur Packet Radio Association

Bob Gedemer, KA9JAC

609 Wilson Street • Neenah, WI 54956

Andy Nemec, KB9ALN, Editor • 720 N. Broadway (Upper West) • Green Bay, WI 54303

## WAPR News - October, 1996

by Andy Nemec, KB9ALN

Hello. October is upon us, and once again we are in the position of waiting for Old Man Winter's "Ax to Fall". At least that is the way that I look at it, not being a fan of the cold. I certainly hope that all of your exterior station work is done; your hands will most assuredly be cold and stiff if it is not done by now.

Enough of the small talk, onto the news. Again, I have received little news despite my plea, but will share what is known.

Another new node is in the refinement stage as part of the Wisconsin Network. It is located in Rudolph, Wisconsin and is a 600 baud Backbone node. Currently, it is known as WIRUD, but may soon change to conform with the backbone aliasing scheme that we have in place in Wisconsin. The call on the node is W9DQA-5.

The node planned for Timm's Hill is still in the waiting for approval stage. Al, NOGMJ is attempting to get this node on the air. It will be a full node stack with a backbone and LAN node, and will connect to a BBS at a location different from the site. The proposed node site is owned by a commercial concern, so that may explain the delay. This will restore a linkage to the northwest that has been out of commission for quite some time.

Although this covers the news that I have at hand, there is another thing I would like to discuss with Wisconsin Packeteers. Some of you may have seen a message I sent to ALLUSA regarding the proliferation of "7PLUS" files. We seem to be getting a lot of these lately, originating mostly in Europe, where it seems to be very popular.

For those of you unfamiliar with 7PLUS, it is a method of encoding binary files so that they can be sent and received as

easily as Text files. Although the content of some of these files has been questionable, I am not one for wanting to "throw the baby out with the bathwater". I wonder if something can be done about this that may at least please most people.

I am curious if any operators in Wisconsin do indeed use his system and these files. I don't know of anyone in my immediate area that uses them, and wonder if people in other parts of our state use them.

The reason for the interest in this is perhaps we can develop a method to accommodate these users while taking a significant load off of the packet system. Perhaps we could set up state or regional servers where these 7PLUS files would be stored and later retrieved with the "REQFIL" function of your local BBS? I have proposed this with the aforementioned ALLUSA message, and am awaiting response.

I am wondering what your thoughts are? Do you use 7PLUS, where are you located, and would this present a hardship for you? Would anyone be interested in setting up a well-engineered BBS to serve this function? I would like your input.

If you have any thoughts on this, please sent me U.S. or Packet mail on the subject. My home address appears at the top of this page, and my packet address is: KB9ALN@KB9ALN.#GRB.WI.USA.NA

Of course your packet news (from any part of the state) is welcome, too. And appreciated.

That's all for this month. 73, Andy.

## Using the Wisconsin Network - Part 20

by Andy Nemec, KB9ALN

In the last couple of years, packet operators have been able to take advantage of higher speed packet operation at a more reasonable cost than in the past. TNC manufacturers are now accommodating the amateur radio market and have prepackaged high-speed TNC's available. Although they have become much easier to set up than in the past, there are some things that you should know before you take the plunge into the magic land of 9600 baud operation and buy that new TNC.

First of all, how much good will it really do you? Under real conditions, 9600 baud data rates are 8 times faster than the 1200 baud operation that we have become accustomed to. In reality, a lot of factors affect data throughput and your results may vary considerably from the ideal. No question about it, 9600 baud packet operation is faster. In order to see a substantial difference, there are important things you have to deal with.

Your radio is the first thing to look at. What kind of radio do you plan on using? Most garden-variety FM Amateur transceivers are not adequate for the purpose, even the ones marked "9600 Baud Ready". Why? Modern radios use a method of modulation that is incompatible with 9600 baud operation. For narrow-

band voice signals, this works acceptably. For the wide-band 9600 baud data signal, this modulation scheme will cause serious distortion of the data signal, making it impossible to decode. Not only that, a lot of these radios have a significant frequency error right, brand new, "out of the box".

Another common affliction of these radios is the time it takes a transmitter to "settle" on frequency, and the time a receiver takes to recover from the transmit mode. These radios are often slow on both counts, causing retries and lost data. Even if your station can send data fast, receiving it is quite another matter.

What can be done? There are 3 alternatives. The first is a multi-mode radio. Why? These radios rely on a different modulation scheme, and they often have faster transmit-to-receive "turnaround time". Therefore, they not only transmit a cleaner data signal, the receiver recovers quickly, and can hear a response from a sent packet. They also feature a more precise tuning readout, which means that it is easier to get them on the proper frequency. The drawback is that these radios are often very expensive.

Another alternative is to buy a radio expressly designed for this purpose. Older Kantronics Data Radios are best avoided.

- I have heard little good about these radios. One radio that I hear consistently good reports about are the radios made by Tekk. There may be others as well. The important thing to look for is a crystal-controlled radio, or one that has a synthesizer optimized for 9600 baud operation.

The third alternative is to obtain a surplus commercial radio, such as a Motorola or G.E. We have had excellent success with Motorola Mitrek radios, they are crystal controlled, inexpensive on the used market, and very high quality.

The disadvantage with getting any second-hand radio is the adjustment required to get it to operate correctly. It takes a little bit of technical skill and equipment to get everything set right. Unless you know a qualified technician, this may not be an option. Even some commercial equipment requires a small amount of modification to get it "just right" for 9600 baud operation.

Now that we have talked about the RF end of things, there is yet another thing to consider. Even if your station is 9600 baud ready, is your area ready for it? In other words, do you have access to a 9600 baud end-user node?

In their eagerness to utilize this mode, some operators who do not have access to such a node rush out and buy a TNC, and get it almost working with some kind of radio. They neglect to find out if there is a 9600 baud end-user node and find themselves on a 9600 baud backbone node frequency. I can't stress this point enough to you - DON'T DO THIS!

Why? A lot of these radio/TNC combos are not optimized for the backbone frequency. Remember, the purpose of the backbone is to handle a high volume of packet traffic, and these nodes are optimized for this purpose. They often have very fast response times, and communicate with nodes quite a distance away. This can disrupt the network in two ways.

The first disruption occurs from retries between a poorly set up end user and the local backbone node. The backbone node answers the end user quicker than it can deal with, and a packet has to be repeated very often. This slows data throughput between the end user and the local backbone node, as well as between the backbone nodes.

The second problem occurs because of the "hidden transmitter syndrome". Remember that backbone nodes may well be a considerable distance away, and are often located in high places with good paths to the remote node. The end-user station may not be so well blessed; it may be using a marginal antenna, or may not be in a good location. This means that it cannot hear the remote node. Consequently, this end user will transmit at the same time the remote node does. The local backbone node hears both of them, and hears a "double". Neither packet is decoded, and they have to be retried. Enough of these can seriously disrupt a network connection, and frustrate the end user. This will spoil it for everybody!

All of this may sound quite discouraging. Actually, it is intended as a guide to help you think carefully about your impending purchase. No doubt, 9600 baud packet operation will become the norm in a very few years. However, a lot of people may get discouraged if they make the wrong choice.

What to do? If you don't have a 9600 baud LAN end-user node, think about what it would take to have one in your area. It can be done for less than \$500, and if enough interested people in your area kick in a few bucks, that is not such a big pile of cash to generate. Node Operators often have enough cash stuck into their systems, and they often pull it out of their own pockets. Making it a community effort will not only make it a whole lot easier, it can help pull a radio club together and give it a project.

If you don't have a 9600 baud LAN frequency, contact Steve, KE9LZ (KE9LZ@KB9ALN.#GRB.WI.USA.NA) and ask for one. He can assign one that is compatible with the bandplan in effect in your area. If you can't put an end-user node on the air quickly, at least you will have a place to park until you can. And it will keep you from interfering with the backbone operation.

The bottom line in all of this is "do it right". Not only will you get more enjoyment from this mode of operation, you will be operating in concert with the rest of the Wisconsin Network.

Until next time, 73 from Andy.

## WISCONSIN AMATEUR PACKET RADIO MEMBERSHIP APPLICATION

PLEASE PRINT

NAME: \_\_\_\_\_ CALL: \_\_\_\_\_ HOME PHONE: (\_\_\_\_) \_\_\_\_\_

ADDRESS: \_\_\_\_\_ CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_

HOME BBS: \_\_\_\_\_ FREQ. \_\_\_\_\_ (Listing your home BBS is important)  
Your HOME BBS should be a full service BBS, not your TNC's mailbox.

MY PACKET STATION OPERATES: \_\_\_\_\_ DAY \_\_\_\_\_ NIGHT \_\_\_\_\_ 24HRS

I OPERATE A: \_\_\_\_\_ DIGIPEATER WITH ALIAS OF: \_\_\_\_\_

\_\_\_\_\_ FULL SERVICE BBS

PRIMARY PACKET INTEREST/EXPERTISE IS: \_\_\_\_\_

\_\_\_\_\_ YES I want to receive Badger State Smoke Signals and I understand that part of my dues goes to pay this subscription. cost \$20.00

\_\_\_\_\_ NO I do not wish to receive Badger State Smoke Signals as a part of my WAPR membership. Cost \$15.00

COMPLETE and return this form with your check or money order - \$15.00 membership only or \$20.00 membership and Badger State Smoke Signals. made payable to W.A.P.R. (NOT payable to Bob Gedemer) to:

Bob Gedemer KA9JAC/WAPR, 609 Wilson St., Neenah, Wi. 54956-3129



(continued from page 3)  
**THE TEST POINT**

**LAST SATURDAY DATES:** (except December): 9:00 a.m. at 7500 W. State St., Wauwatosa S&L, lower level, Wauwatosa, WI.

For Additional Information Contact: Jack Krause, (414) 774-6999 or call (414) 466-HAMS (Answering Machine) or write Milwaukee Radio Amateurs Club, PO Box 25707, Milwaukee, WI 53225.

Bring along your ORIGINAL license, CSCE and two (2) good quality photocopies, plus two forms of identification, such a driver's license, etc. Also required is \$5.00 for the exam fee. WALK-INS are welcome. To register in advance, use a post card: print the grade of license you are applying for, and your name, address, and telephone number. Send the card to MRAC/VEC, at the addresses shown above.

**BADGER EXAMINERS (BE) - MILWAUKEE**

Amateur exams: 1:00 p.m. to 4:00 p.m.  
 Commercial exams: 9:00 a.m. to 12:00 noon.

Unless otherwise noted at WMVS-TV studios, MATC Downtown campus in the C building starting at 9:00 a.m. for commercial exams and Amateur exams at 1:00 p.m. the same day. The address is 1036 N. 8th Street, Milwaukee. Enter at the North West entrance of C Building. Walkins are welcome. To register in advance, send a post card with your name, test or tests you wish to take, date you wish to take., your call sign, address and telephone number to Badger Examiners, Gary J. Sharbuno, WI9M, 5119 W. Willow Rd., Brown Deer, WI 53223. Telephone (414) 355-0237.

Also available FCC General Radio Telephone Commercial exams. Fees are \$5.90 for the Amateur Radio exams and \$35.00 for the commercial exams.

**MADISON, WI**

VE exams are held in Madison every second Saturday morning of the month at 8 a.m. They are held at the operations building of the Madison Metropolitan Sewerage District at 1610 Moorland Rd. To get there take the Beltline (Hwy 12 & 18) to South Towne Drive. Go south 8/10 mile till South Towne Drive makes a bend and becomes Moorland Rd. and enter at gate.

You should bring a picture ID, your original licence and a copy of your licence. For exams beyond the novice tests, bring a check for \$5.90, made out to the ARRL/VEC. If the special 610 form with the medical exemption is required, contact me beforehand to obtain one. No appointments are necessary to take exams. For further questions, please leave a message on the mailbox or phone me at (608) 832-6631.

Mark Jenks, NZ9B

**RACINE, WISCONSIN - ARRL/VEC**

Monthly - first Saturday, except January, July, and August.

Monthly exams are given 9:00 to 11:00 a.m. at the Red Cross Building, 4521 Taylor Avenue, Racine. Walkins are permitted.

Talk in on 147.87/.27. Inquiries and registrations should be directed to Robert N. Jensen, W0WLN, 5616 Cambridge lane #6, Racine, WI. Telephone (414) 886-8551.

**TOMAHAWK, WI**

Last Saturday of every month. Jan. thru Oct. Tomahawk Volunteer Examiners (ARRL/VEC). Tomahawk, WI. No preregistration required, but appointment would be appreciated. Registration at 8:30 a.m. and testings starts at 9:00 a.m. For location or other information, inquire on 145.43 MHz. repeater or contact: Terry Collins, KB9AUP, W6564 Highway 8, Tomahawk, WI 54487. Telephone (715) 453-4633.

**APPLETON, WI - ARRL/VEC**

**MANITOWOC, WI (HAMFEST)**

**KAUKAUNA, WI (HAMFEST)**

Conducted by the Fox Cities ARC VE team. All test sessions in Appleton are held at James Madison Jr. High, 2020 S. Carpenter Street. Candidates check in between 8 and 9 a.m. with testing starting at 9 a.m. No walk-ins after 9 a.m. Contact George R. Croy, W9NDP, 2113 Twin Willows Drive, Appleton, WI 54914. (414) 730-0967, or Larry Siebers, KD9IA (414) 730-0967.

**KAUKAUNA WI (FOX CITIES HAMFEST) ARRL/VEC**

Registration 8:00 a.m. to 9:00 a.m. No walkins after 9:00 a.m. Bring original license plus (2) copies and a photo ID. For more exam information contact: Larry Siebers, KD9IA, (414) 757-1167.

**FOND DU LAC, WI (ARRL/VEC)**

Saturday, September 7, 1996 from 9:00 a.m. to Noon at Community United Methodist Church, 701 Minnesota Ave., North Fond du Lac, WI. Contact: Doug Schultz, (N9EZF) at (414) 922-3038.

**MARSHFIELD, WI (ARRL/VEC)**

Sponsored by the Marshfield Area ARS. Held at St. Joseph Hospital, 611 St. Joseph Ave. On 9 November in the 1 West classroom located adjacent to the Westwood Cafeteria on the main floor of the hospital. Use the main entrance or any other entrance and follow the signs to the cafeteria.

Registration starts at 8:30 a.m. with testing starting at 9:00 a.m. Talk in on the 147.18 Marshfield repeater. Walk-ins welcome. Contact: Walter Friant, WB0KIN, 2310 Wallonie Drive, Marshfield, WI 54449 (715) 387-3870.

**STEVENS POINT, WI (ARRL/VEC)**

Held in room 107, of the UWSP Science Building, on the corner of Fourth and Reserve Streets in Stevens Point. Contact Joe Larson, N9JW evenings at (715) 344-1182.

**PEWAUKEE, WI**

Kettle Moraine Exam Team. Held at the Pewaukee WCTC Campus Science Building, Room S101. 9:00 a.m. to Noon. Contact Al Johnson, AA7CS. (414) 568-0836. 103357.3222@COMPUSERV.COM

**REDGRANITE, WI (W5YI and ARRL VEC)**

OUR TEST ARE NO LONGER MONTHLY. The Radio Amateurs of Wisconsin (RAW) club of Redgranite will hold their 1996 test sessions on October 19. These are held at the Civic Center in Redgranite, 202 Pine River Road, one block from Highway 21. Registration at 0830 sharp, with testing at 0900 sharp. Bring two forms of identification, \$6.50 per test, and two copies of all original documents, CSCEs, Licenses, etc. Breakfast is at the Curve Inn, on highway 21. All are welcome. For further information, please contact Mark Miller, AA9RC at 231-1662 or Terry Witt, AA9BA at (414) 685-5018.

**OSHKOSH (OMRO)**

The Oshkosh VE Team will administer Amateur Radio exams monthly on the first Saturday. Exams will be given from 9 a.m. until noon at the Omro City Hall. Registration begins at 8 a.m. Walkins OK. Bring a good quality photocopy of your original license. The first session will be through W5YI/VEC, and then sessions will alternate between ARRL/VEC and W5YI/VEC. For more information, please call Dick Lemme, KB9FA, at (414) 235-0987, or write Dick at 826 Jefferson Street, Oshkosh, WI 54901.

**ONALASKA, WI**

Saturday, September 21st  
 Saturday, November 30th.

On behalf of the Riverland Amateur Radio Club's VE team and Bill Wood, KE9XQ team Chairman, we announce the amateur radio exam schedule for 1996. The sessions will be held at 7 O'clock P.M. at the Onalaska Community Center, 515 Quincy Street in Onalaska WI:

The team is field-stocked, and walk-in candidates are welcome. The team does appreciate advance registration, especially for license exams for the General, Advanced, and Extra classes. We will allow a retest on a time available basis, provided a second exam fee is paid. We use multiple choice format answers for the Morse Code exams.

For further information or to preregister for an exam session, please call Bill Wood, KE9XQ at (608) 788-8571. You may also contact Karl Simonson, KB9EQI at (608) 526-9413 or via packet: KB9EQI@AA9AW.EN43RM.WI.USA.NA

**MEDFORD, WI (ARRL/VEC)**

Saturday, October 12, 1996

Sponsored by the Taylor County Area Amateur Radio Club. Testing for all classes Novice through Extra. Registration starts at 8:30 a.m. with testing starting at 9:00 a.m. Tests are held at the conference room in the lower level of the Sheriff's Annex to the Taylor County Courthouse, corner of 2nd and Ogden Sts., Medford, WI. Take Ogden Street west off Highway 13 to the Courthouse. Park in the lots on the east or south sides of the Courthouse or on the street. PLEASE use the entrance on the south side of the Courthouse and watch for the signs. Talk-in on the 147.15 (+600 KHz) repeater. Walk-ins welcome, however, if you know you'll be attending, it would be appreciated if you would call ahead. Contact: Tom Hrdina, N9GEN, 2373 Willow Ave., Medford, WI 54451. Telephone (715) 748-4054.

**CEDARBURG, WI - ORC HAMFEST**

**EAU CLAIRE, WI - ECARC HAMFEST**

**GREEN BAY, WI - ARES HAMFEST**

**HAYWARD, WI - HAYWARD HAMFEST**

**KAUKAUNA, WI - SWAPFEST**

**MANITOWOC, WI, LAKESHORE HAMFEST**

**MARSHFIELD, WI - HAMFEST**

**OAK CREEK, WI - SMARC HAMFEST**

**RACINE, WI - RACINE HAMFEST**

**RHINELANDER, WI - NWARC SWAPFEST**

**ROCKFORD, IL - RARC HAMFEST**

**ROTHSCHILD, WI - WVRA HAMFEST**

**SOUTH MILWAUKEE, WI - SMARC HAMFEST**

**STEVENS POINT, WI - CWRA SWAPFEST**

**WAUKESHA, WI - KMRA SWAPFEST**

**WAUKESHA, WI - MIDWINTER SWAPFEST**

**DUBUQUE, IA - HAMFEST**

See the Swapfest column for additional information and contact persons.

**DUBUQUE, IA - ARRL/VEC Dubuque Hamfest.**

Contact: Carl Clark, NOKAX, 2145 Delicia Drive, Dubuque, IA 52001. (319) 557-9149.

**LOVES PARK, IL**

Third Saturday of every month. Northern Illinois Volunteer Examiners (W5YI VEC). Held at North Suburban District Library, 6340 North Second St. (Hwy. 251), Loves Park, IL. Contact: Dennis G. Eksten, W9SS, (815) 877-6768.

**MINNESOTA TEST INFORMATION**

From the September 1996 edition of "The Ground Wave", Saint Paul Radio Club.

**Saint Paul Radio Club (SPRC)**

Contact: Jay Bellows, KQ0BE (612) 222-7253

Test Site: St. Paul Technical College

235 Marshall Ave.

St Paul, MN

TESTING: First Saturday of the month, 8:30 a.m.

**Anoka Amateur Radio Club (AARC)**

Contact: Art Mundy, W0FYX, (612) 571-7441

Test Site: Blaine City Hall

9150 Central Ave NE

Blaine, MN

TESTING: Second Saturday of the month, 9:00 a.m.

**Bloomington Amateur Radio Club (BARC)**

Contact: Dan Royer, KE0OR (612) 888-9756

Test Site: Creekside Community Center

98th & Penn Avenue S

Bloomington, MN

TESTING: Second Saturday of the month, 9:00 a.m.

**Valley Amateur Radio Club (VARC)**

Contact: Paul Ramey, W0G0 (612) 432-1640

Test Site: Hayes Community Center

14601 Hayes Road

Apple Valley, MN

TESTING: Second Thursday of the month 7:00 p.m.

**W5YI**

Contact: Dave Ranney, N0AXL (612) 933-2182

Test Site: Eden Prairie Library

479 Eden Prairie Drive

Eden Prairie, MN

TESTING: Third Tuesday of the month 6:30 p.m.

**SE Metro Area Radio Club (SEMARC)**

Contact: Dave Harrell, N0IPN (612) 459-8678

Test Site: Cottage Grove fire Station

8641 80th ST., S

Cottage Grove, MN

TESTING: Third Saturday of the month, 9:00 a.m.

The above information has been furnished by the various VEs. However, it is suggested that you confirm time, date and location BEFORE you make the trip to the test site. Occasionally, a test may be canceled and/or dates and locations changed. A Phone call could save you some grief and a wasted trip.

This section of Badger State Smoke Signals is available to publicize your Volunteer Examiner Amateur Radio license examination schedules. Please send us your schedules of dates, times, and locations that you will be conducting examinations and we will include the information here. Be sure to include contact address and any other necessary requirements. Information should be sent to K9EN at the address shown on page 2.

**THE BARGAIN MODE**

**SSB**

**SELL SWAP BUY**

**OUR WANT ADS GET RESULTS**

FOR SALE: TET 20-15-10 Tri-Bander. Dual-driven 4 element antenna. Asking \$175.00 Bill, AF9B at 4358 Crawford Drive, Madison, WI 53711-4849. (608) 273-8373.

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# Shopper's Guide

## SWAPFESTS



1996 WINNERS  
Christopher D. Molek, KB9OTX,  
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Karl J. Mueller, N9NFO, West Allis  
Amy L. Tlachac, N9TLN, Wisconsin Rapids

Both Sponsored By  
**THE WEST ALLIS RADIO AMATEUR CLUB, INC.**  
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### 25th ANNUAL MIDWINTER SWAPFEST

**SUNDAY  
JANUARY 12, 1997**

WAUKESHA EXPOSITION CENTER  
WAUKESHA, WISCONSIN

### HAM IT UP EVERY SPRING! MADISON SWAPFEST

**SUNDAY, APRIL 13, 1997**

Dane County Expo Center  
Exhibition Hall

Sponsored by MARA/WB9AER

P. O. Box 8890 Madison, WI 53708-8890  
Swapfest Information Line: (608) 245-8890

SOUTH MILWAUKEE AMATEUR RADIO CLUB

### SWAPFEST 97

**July 12, 1997**

(Held every July)

American Legion Park

Shepard Avenue • Oak Creek, WI

(414) 762-3235 Extension 58  
P. O. Box 102 South Milwaukee, WI 53172

### Fox Cities Hamfest

**Sunday, November 3, 1996**

Starlite Club, Hwy. 55 north of Kaukana

HAMFEST INFO:  
Chad Pennings, N9PRC  
318 E. Brewster St.  
Appleton, WI 54911  
(414) 759-0799

EXAM INFO:  
Larry Siebers, KD9IA  
(414) 759-1167

### Lakeshore Hamfest

and Computer Swapfest

Manitowoc County Expo

Intersection of Hwys. 42-151 and I-43 on Cty. Hwy. R

**Saturday, May 10, 1997**

For more information, call:

Glenn, AA9MT: 414-684-7096

Red, N9GHE: 414-684-9097 (nights)

ManCoRad Radio Club • P.O. Box 204 • Manitowoc, WI 54221-0204

### HAMFEST & COMPUTER EXPO ANTIQUÉ RADIO SHOW

8 A.M. TO 3 P.M.

OMNI CENTER • ONALASKA, WI

2 1/2 MILES NORTH OF LA CROSSE, WI ON HWY. 35

RIVERLAND AMATEUR RADIO CLUB

WESTERN WI ANTIQUE RADIO COLLECTORS CLUB

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1520 NAKOMIS AVE., LA CROSSE, WI 54603

### 19th Annual CWRA Swapfest

8 a.m. to 2 p.m.

UNIVERSITY CENTER, U.W. STEVENS POINT

Info: John Kalina, KA9DJA

(715) 342-9714

1240 North Point Drive

Stevens Point, WI 54481

Eau Claire Amateur Radio Club

### SWAPFEST

**Saturday, July 12, 1997**

Eau Claire County Fairgrounds

Intersection of Highways 93 and I-94

Carol Ceraso • (715) 723-9205 Liz Searing • (715) 834-1303

P.O. Box 1867 • Eau Claire, WI 54701

<http://www.edp.net/~mceraso/hamfest.html>

### RACINE HAMFEST 96

8 A.M. - 2 P.M.

SOUTH HILLS COUNTRY CLUB I-94

East Frontage Road

Between Highway 20 and Highway K

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Send to RMC, P.O. Box 3, Racine, WI 53401

### Ozaukee Radio Club 18TH ANNUAL RADIO AND COMPUTER SWAPFEST

8 a.m. to 1 p.m. • Circle B Recreation Center

Intersection of Highway 60 and County I

Exams by Badger Examiners, c/o Gary Sharbuno,

5119 W. Willow Rd., Brown Deer, WI 53222

Swapfest sponsored by the Ozaukee Radio Club

11448 N. Laguna Drive • Mequon, WI 53092

Kettle Moraine Radio Amateurs

### SWAPFEST

**Sunday, October 13, 1996**

Waukesha County Expo Center

Info: KMRA Swapfest

P. O. Box 411

Waukesha, WI 53187-0411

Red Cedar Repeater Association, Inc.

### AUCTION

**February 25, 1997 • 7:00 p.m.**

American Legion Post 53 • 634 Water Street

Eau Claire, WI

CONTACT:

Steve Hart, KA9OMC  
E616 810th Ave.

715-665-2374  
Knapp, WI 54749

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M, Tue, W, F ... 10-5  
SAT ... 10-2

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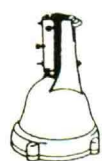
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Rich, N9MEH

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Jefferson County Fairgrounds

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Evenings

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GREEN BAY, WI 54304

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